Oil, Paint and Drug Reporter

THE MARKET AUTHORITY SINCE 1871

CHEMICALS ~ DYESTUFFS ~ DRUGS ~ PAINTS ~ OILS ~ FERTILIZERS

Volume 133 APRIL 18, 1938 Number 16

Methylene Chloride
(dichlormethane)

HIGHEST PURITY

We also supply special refrigerants and solvents.

•

WRITE FOR SAMPLE

•

BELLE ALKALI CO. • Belle, W. Va.

FINEST QUALITY

BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA

CHURCH & DWIGHT CO.

70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

Sodium Tungstate

Sodium Molybdate

PRIOR CHEMICAL CORPORATION

420 LEXINGTON AVENUE, NEW YORK

PHONE: Mohawk 4-9811 TELETYPE: NY-1-2054 CABLE: Priorchem, New York

Selling Agents for

Molybdenum Corporation of America

Established 1880

WM. S. GRAY & CO.

342 MADISON AVENUE

NEW YORK

Cable Address: Graylime

Phone: VAnderbilt 3-0500

Manufacturers' Agents

Acetic Acid

ALL GRADES

TANK CARS BARRELS

INQUIRIES SOLICITED

So pure it's used in medicine!

Du Pont CRYSTAL UREA

RECENTLY published scientific papers say Urea is commanding attention for the treatment of open wounds.* In almost every case Du Pont Urea was selected because of its dependably uniform purity and high quality. This is the identical product Du Pont offers you for industrial use—and though whiter, fresher, and with less tendency to cake, Du Pont Urea *costs no more than ordinary commercial grades.*

TYPICAL ANALYSIS OF DUPONT UREA	Medical	Industrial
Nitrogen	46.4%	46.4%
Ash	0.0036%	0.0036%
Silica	0.0006%	0.0006%
Free Ammonia	0.0050%	0.0050%
Total Heavy Metals	0.0020%	0.0020%

QUICKLY AVAILABLE

Du Pont can supply unlimited quantities, on short notice, from the following shipping points: Newark, Philadelphia, Belle, W. Va., El Monte, Calif. Samples and full details on request. Export inquiries invited. Phone, wire or write.

(*Bibliography on request)

DU PONT

E. I. DU PONT DE NEMOURS & CO., INC.

AMMONIA DEPARTMENT, WILMINGTON, DELAWARE

---

20 MULE TEAM

Guaranteed 99½% to 100% Pure

BORAX
BORIC ACID

Refined and U. S. P.

» Crystal » Granulated » Powdered » Impalpable »

» Calcined Borax Glass » Manganese Borate » Anhydrous Ammonium Borate »

Samples on request

PACIFIC COAST BORAX COMPANY

Dept. Q

51 Madison Avenue, New York

CHICAGO LOS ANGELES

Octyl Alcohol

$C_8H_{17}OH$

. . . a mutual solvent, an efficient anti-foaming agent, an economical intermediate for the introduction of the octyl group into other compounds . . . is now available in tank-car quantities

Octyl Alcohol is a colorless liquid with a high boiling point (184.6°C.). It is only slightly soluble in water (0.14 per cent by weight at 25°C.), but is miscible with most organic substances. As a coupling and clarifying agent, Octyl Alcohol is of interest to the rubber, textile, and other industries where an agent that is effective in low concentrations is desirable.

Octyl Alcohol has good defoaming properties. For this reason, it is a useful product in the varnish, paper coating, textile printing, and ceramic industries—or wherever foaming is undesirable. Octyl Alcohol is an effective anti-foam for rubber latex, in which it suppresses the foam without affecting coagulation. Octyl Alcohol is also useful as a dispersing and wetting agent in the grinding of pigments, in the preparation of slips or slurries of clays, and in the formulation of penetrating oils. The addition of small amounts of Octyl Alcohol to other wetting agents, such as sulfonated oils, will markedly increase their efficiency in many cases.

Being a primary alcohol, this Octanol, 2-Ethylhexanol, can be converted to octaldehyde and octoic acid—both of interest in further syntheses. It also forms esters, ethers, and amines which have greater oil solubility, higher boiling points, and lower water solubility than those made from lower carbon content alcohols. Octyl Acetate, for instance, is the principal slow-evaporating solvent used in the new lacquer emulsions to give smooth, non-blushing films.

The coupon is for your convenience in requesting further information.

CARBIDE AND CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation

UCC

30 East 42nd Street, New York, N. Y.

PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

Carbide and Carbon Chemicals Corporation OPDR—4-18
30 East 42nd Street,
New York, N. Y.

Gentlemen:

Please send further data on Octyl Alcohol.

Company_____

Name_____

Street_____

City_____ State_____

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 133 APRIL 18, 1938 Number 16

RECEIVED APR 18 1938 LIBRARY THE CHEMISTS' CLUB

Vegetable Oils Records Planned

Monthly Reports to Census Bureau May Be Mandatory And Other Lines Covered

OPD Washington Bureau
April 14, 1938

The house has passed and sent to the senate a bill (H.R. 9659) directing the Bureau of the Census to make monthly reports on the vegetable oil business and also greatly increasing the authority of the bureau in collecting periodic reports from other industries.

At present the Bureau of the Census has legal authority to collect monthly statistics on cottonseed, cottonseed oil, shingles, and a few other commodities, and in addition it makes monthly and quarterly reports on more than fifty other industries or commodities on a voluntary basis. The quarterly report on production and stocks of animal and vegetable oils and fats, which has been published since 1919, is on the latter basis, and the bill would change this to a monthly report and give the bureau authority to require producers to supply statistics.

Scope of Oil Survey

This proposed new monthly report would give statistics on the quantities of cottonseed, soybeans, peanuts, flaxseed, corp germs, copra, sesameseed, babassu nuts and kernels, and other oilseeds, nuts and kernels received, threshed, and on hand at oil mills; the quantities of crude and refined oils, cakes, and meals, and other primary products of these oil-bearing materials, manufactured, shipped out, and on hand at oil mills and processing establishments; the quantities of crude and refined vegetable oils used and held by the manufacturers of vegetable shortenings, lard compounds, oleomargarin, soap, and other principal products using large quantities of vegetable oils; the quantities of crude and refined vegetable oils held in warehouses and in

—*Continued on page* 36

Bulk Packaging Report Offered

A report of the proceedings of the sessions on bulk packages in the recent packaging conference in Chicago will be published in mimeograph form by the American Management Association, which sponsored the conference. Copies of the report may be obtained at $1.25 each from the association.

The number of copies of this report that will be prepared will depend on the demand made known in advance. Those desiring copies are requested to send their orders immediately to the American Management Association, 330 West Forty-second street, this city.

Miami Drug Cited Under Patman Act

OPD Washington Bureau
April 14, 1938

A complaint charging violation of the Robinson-Patman act by means of advertising allowances has been issued by the Federal Trade Commission against the Miami Wholesale Drug Corporation, Miami, Fla., and its officers—Arthur S. Lavine, president; Vivian L. King, vice-president, and Sam S. Lavine, treasurer —and Rodney S. Pullen, jr., manager. The complaint names also as respondents Esther S. King and Elizabeth R. King, these being joined as associated with the officers of the company in the publication of the "Miami Magazine," of which Mr. Pullen is manager.

The complaint charges that the respondent corporation, on its purchases of merchandise, obtains favorable discriminatory prices in the form of payments for advertisements inserted by the sellers of such merchandise in the magazine, which allegedly is published

—*Continued on page* 31

Drug Bill Reported to House Modifies Certification Plan

OPD Washington Bureau
April 13, 1938

The house committee on interstate and foreign commerce today filed its report on the bill (S. 5) to revise the food and drugs act. Final agreement on all controversial points was reached Wednesday.

The committee struck out all the language of the bill as it passed the senate March 8, 1937, and substituted new language, which in most sections is the same as that of so-called "Committee Print No. 4" submitted to it by a subcommittee March 5.

The principal changes made in print No. 4 are in the sections dealing with new drugs, whisky, and administrative provisions relating to hearings and court appeals.

Control of New Drugs

The section on new drugs (section 505) has been largely rewritten, although its general purpose remains the same. In general it would prohibit the introduction into interstate commerce of any new drug which the Secretary of Agriculture finds to be unsafe for use under the conditions prescribed, but the final bill imposes negative duties on the secretary; whereas, the earlier draft contained positive requirements. The earlier draft prohibited the distribution of a drug except under a certificate issued by the secretary; whereas, the final draft prohibits the distribution of a new drug unless an application has been filed with the secretary and has become effective. An application will become effective on the sixtieth day after filing unless in the meantime the secretary by written notice postpones the effective date, but this may not be postponed more than 180 days after filing.

The new language contains the same tests for judging the safety of a new drug as the original proposal, but provides that, if the secretary finds that these tests have not been met, he shall issue an order refusing to permit the application to become effective. The original language would have directed the secretary to issue a certificate stating that the drug is not unsafe for use if he finds that the prescribed tests have been met.

Before an application to distribute a new drug is rejected, the secretary must give the applicant an opportunity for a hearing. The effectiveness of an application may be suspended or an order refusing to permit an application to become effective may be revoked. The final draft permits an applicant to appeal a decision of the secretary to a Federal district court; whereas, the original draft would have lodged appeals with a Federal circuit court of appeals, but otherwise the provision for appeals remains unchanged.

The definition of the term, "new drug," remains the same as in the subcommittee print.

Alcohol in Whisky

The new provision on whisky labeling states that for purposes of Federal

—*Continued on page 44*

Chemists Institute Honors Cottrell

Dr. Frederick G. Cottrell has been awarded the medal of the American Institute of Chemists for his outstanding scientific achievements and for his service to the profession through the support of research. The medal will be presented to Dr. Cottrell at the annual dinner of the institute, which will be held in the Claridge hotel, Atlantic City, May 14.

Dr. Cottrell, consulting chemist, metallurgist, and inventor, was graduated from the University of California in

Dr. F. G. Cottrell

1896. Later he studied in England and France and at the University of Berlin. He received the Ph.D. degree from the University of Leipzig, Germany, in 1902. After his return to this country he acted as instructor and assistant professor of chemistry at the University of California until 1911, when he was appointed consulting chemist to the United States Bureau of Mines. He served this bureau both in San Francisco and in Washington, advancing to the position of director.

During the World War, Dr. Cottrell was one of the principal directors of the research which resulted in perfecting a process to recover helium from oil wells gases at a cost of about one cent per cubic foot. He is the inventor of the Cottrell precipitator, which by electrostatic attraction cleans gases of fine particles of dust. He was active in the development of the fixation of nitrogen during and after the war.

In 1921 he was chairman of the division of chemistry and chemical technology of the National Research Council. In 1922 he became consulting chemist and later director of the fixed nitrogen research laboratory of the United States Department of Agriculture, and later chief of the fertilizer and fixed nitrogen investigations conducted for the United States Bureau of Chemistry and Soils.

Tax Bills Differ in Excises

OPD Washington Bureau
April 14, 1938

Senate and house conferees today began work on the tax revision bill passed by the house March 11 and by the senate April 9 with 239 senate amendments.

Most of the controversy in conference will come over the differences between the house and senate bills in respect of the undistributed corporation profits tax and the capital gains tax, but there are a number of important provisions in the excise tax chapter yet to be worked out.

Excise Provisions That Differ

Among the excise tax provisions in conference are the following:—

Senate provision that the tax on toilet articles shall not apply to articles sold by the manufacturer, producer, or importer, after June 30, 1938, for 9 cents or less.

Senate provision for repeal of the tax on brewers' wort and malt syrup after June 30, 1938.

Senate provision repealing the tax on sales of produce for future delivery as of June 30, 1938.

Senate provision that the tax of 3 cents per pound on imported whale and marine oils shall apply, after June 30, 1939, to all marine oils and their products except that produced on vessels of the United States or in the United States or its possessions, from whales, fish, or marine animals or parts thereof taken and captured by vessels of the United States.

Senate provision imposing a tax of ½ cent per pound on imported fish meal, fish scrap, marine animal meal, and marine animal scrap.

Senate provision reducing the tax on imported hempseed to 1.24 cents per pound, perillaseed to 1.38 cents per pound, and sesameseed to 1.18 cents per pound. At present the tax on the imports of these three seeds, as well as kapokseed and rapeseed, is 2 cents per pound.

Senate provision exempting from the tax on imported rapeseed oil that brought in for use in the manufacture of rubber substitutes or lubricating oils.

Senate provision exempting coconut oil produced in Guam or American Samoa from the tax on imported coconut oil.

House provision imposing a tax of 6 cents per pound on imported pork and pork products.

Senate provision fixing the excise tax on matches at 2 cents per 1,000, except that in the case of fancy wooden matches and wooden matches having a stained, dyed, or colored stick or stem the tax shall be 5 cents per 1,000 matches. The house bill would have retained the present tax of ½ cent per 1,000 on paper matches and removed the tax of 2 cents per 1,000 on plain wooden matches.

House provision increasing to $2.25 per gallon the present tax of $2 on distilled spirits and tax-paid alcohol.

Senate provision reducing the excise taxes on tires and inner tubes.

Senate provision clarifying the definition of "arms length transactions" used in determining the sales prices of cosmetics and other articles on which ad valorem excise taxes are imposed.

Excises Not in Controversy

Among the excise tax items not in controversy and therefore not subject to change by the conferees are the following:

Elimination of the excise tax on toothwashes, mouthwashes, toothpastes and other dentifrices, and toilet soaps sold after June 30, 1938.

Elimination, as of June 30, 1938, of the excise taxes on furs, phonograph records, sporting goods, cameras, chewing gum, crude petroleum, and the refining of crude petroleum.

Exemption from the processing tax on palm oil that is used in the production of terneplate or any subsequent use of palm oil residue resulting from the manufacture of tinplate or terneplate.

F.D.A. Appropriation Cut in House Bill

OPD Washington Bureau
April 14, 1938

A reduction of $50,000 in the appropriation for enforcement of the food and drugs act is carried in the Department of Agriculture appropriation bill now pending in the house. The Bureau of the Budget recommended an appropriation of $1,850,000, which would have been an increase of $100,000 above the amount available for the current fiscal year, but the house appropriations committee not only refused this increase but reduced the appropriation for the coming fiscal year, $50,000 below that for this year. The committee made no explanation of this reduction.

Appearing before the house appropriations committee, W. C. Campbell, chief of the Food and Drug Administration, explained that, if the $100,000 increase recommended by the budget were appropriated, it would be used as follows: —$20,000 for cereal products, $25,000 for dairy products, $15,000 for flavors and spices, $25,000 for pharmaceutical products, and $15,000 on standards for canned food under the McNary-Mapes act.

Closing Market Developments

China Buys Cinchonine

China was a buyer of cinchonine in this market last week. Acting through connections in Canada, the Chinese buyers took a substantial quantity of this item for immediate shipment and the urgency of the need was expressed strongly. This business tied in with the fact that China was also preparing to buy three or four tons of quinine, a part of which may be purchased in the United States.

Rhubarb Root Lower

Competition between dealers who reported a generally limited demand for rhubarb root brought spot quotations down to 43c. to 44c. per pound for whole, and to 48c. to 49c. per pound for powder late last week.

Cresylic Acid Prices Revised

Prices for domestic cresylic acid have been adjusted to the following:—High boiling, 79c. to 81c. per gallon, according to quantity; low boiling, 87c. to 89c. per gallon. The adjustment was commensurate with the reduction for imported material.

Zinc Dust Advanced

Price for zinc dust was advanced ¼c. per pound at 6¼c. to 6¾c. per pound. The increase was caused by the higher price prevailing for the basic metal later in the week.

Foreign Tariff Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations includes the following data:—

Oil Crushing Machinery:—A Brazilian decree law provides for a revision of various special exemptions and reductions on imported merchandise by vegetable oil manufacturers.

Paraffin Wax:—Greece has classified paraffin wax separately from ceresin and other mineral waxes, with a reduction in the minimum duty from 115 to 32 metallic drachmas per 100 kilos. The special tax levied on imported waxes for welfare purposes was increased to 27 drachmas per kilo for paraffin.

Parcel Post:—The registered C.O.D. mail service to Mexico has been resumed.

Petroleum Products:—The import duties on petroleum products in Guadeloupe have been increased. The new rates in francs per 100 liters follows:—Imported petroleum, schist and other mineral oils suitable for lighting, 7.65; gasoline, 7.40; heavy oils and other residues of petroleum and of other mineral oils, 2.40.

Pharmaceuticals: — An Estonian decree provides that hereafter licenses must be obtained by firms desiring to import drugs and toiletries. Before a license is issued the preparation must be tested in a special State laboratory which is to be established for that purpose. Estonian authorities are empowered under the terms of the decree to publish data on the composition of medicinal products offered for sale in that country.

Dr.G.N. Lewis Awarded Theodore Richards Medal

Boston, Apr. 8, 1938

Dr. Gilbert Newton Lewis, dean of the College of Chemistry at the University of California, has been awarded the Theodore William Richards medal of the Northeastern section of the American Chemical Society "for conspicuous achievement in chemistry."

Dr. Lewis, an authority on the structure of molecules was born in Weymouth in 1857, and has studied at Harvard, the University of Nebraska and the Universities of Leipzig and Goettingen. He has taught at Harvard and the Massachusetts Institute of Technology and has been Stillman lecturer at Yale. He was chief of the defense division in the gas service of the American Expeditionary Forces and a lieutenant-colonel in the army. He holds membership in a number of scientific societies and is the author of several books and many articles in scientific journals.

The presentation of the medal will be made to Dr. Lewis May 13. The medal was founded in 1930 to commemorate the work of Professor Richards of Harvard University, the first American Chemist to receive the Nobel prize.

Chemical Prices Are Lower

Prices for heavy and fine chemicals were moved to a lower level last week. Reductions, for outnumbering advances, affected a variety of materials, among which cyanides and cresols were outstanding.

Demand continued spotty, reflecting activities in consuming industries. Refrigerants, water-treating agents, and agricultural insecticides showed some seasonal improvement.

Prices were advanced on zinc, tetrachloride of tin, luminous calcium sulphide, and J1 myrobalans. Prices were reduced on cyanides of copper, soda, and zinc, cyanide-chloride mixture, synthetic resin grade cresol, imported pale cresylic acid, sulphate of zinc, zinc dust, imported crude naphthalene, gum rosin, gum turpentine, menthol, ephedrine and its salts, Batavia and Singapore dammars, Manila copal dust, wheat starch, domestic and imported raw bone and bonemeal, domestic steamed bone, and domestic tankage in this city.

The REPORTER'S composite index number of prices for heavy and fine chemicals was depressed to 126.2 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89.3, compared with 89.5 at this time last year.

Contents of This Issue

News and Statistics

Austrian Imports Will Be German. 5
A.D.M.A. Convention to Have Golf, Tennis ... 24
Asbestos Output Up 27 Percent in 1937 ... 60
American Petroleum Institute Appoints Committee Chairmen ... 60
Asphaltum Freights Revised ... 60
American Petroleum Institute Production Div. Met Apr. 14 ... 60

Bulk Packaging Report Offered ... 3
British Standardize Paint Materials ... 29
Balto. Production Club to Hear About Patents ... 29
British Chemical Exports Exceeded Imports in 1937 ... 60

Chemists Institute Honors Cotterell. 3
Castor Plant Cultivation and Utilization Planned ... 5
Canadian Tariff Dealings Argued ... 5
Cosmetic Claims Guaranty Asked ... 5
Chemurgic Conference in Omaha April 25-27 ... 5
Cosmetic Color Data Requested by T.G.A. ... 5
Chemists Wanted by U. S. Government ... 48
Citrous Products Project Launched in California ... 48
Conklin Gets Plague Apr. 20 ... 36
Carnegie Tech Names Warner Chemistry Head ... 24
Chemicals Bought by U.S. in First Quarter $18,445,107 ... 24
Cottonseed Crushings Increase ... 38
Canadian Tariff Deals Argued ... 5
Chemical Industry Society Hears Dr. Morey on Rock Formation ... 60
Celluloid Moves Chemical Div. Office to N. J. ... 4

Drug Bill Reported to House ... 3
Drug-Chemical Group to Meet April 27 ... 4
Drug Sales Record 9% Drop in February ... 30
Du Pont Co. Offers New Water Repellent ... 31
Du Pont Distributing Chart on Acidity of Fertilizers ... 59

F.D.A. Appropriations Cut ... 3
Farm Chemurgic Appropriation Cut. 5
Fertilizer Tag Sales: March ... 51

Gulf Refining Called Unfair ... 50
Gasoline Freights Lowered ... 58
Gasoline Freights Reduced ... 60
Guenther to Lecture in Peoria ... 48

Harold Wilson & Witco British Interests Merged ... 36
Howard Gasoline Fraud Suit Dismissed in N. J. ... 58

Lalor Awards Made for Chemistry Study ... 30
Lewis Awarded Richards Medal ... 4

Miami Drug Cited Under Patman Act 3
Magnesium Alloys to Be Discussed ... 30
Mexico Refuses British Demand for Oil Return ... 30
Memphis Paint Up Drive to Be Held April 25 to May 1 ... 36
Mathieson Alkali Earnings in First Quarter Lower ... 24
Magnesite Output Slightly Lower in 1937 ... 24
Maloney Vice-President of Atlantic Research Associates ... 60

N. Y. Paint Ass'n Names Delegates to Convention ... 36
N.Y. Paint Ass'n Addressed by Murphy ... 36
N. Y. Druggists Plan Fair Trade Meeting ... 4
Nuodex Gets Patent on Liquid Driers 4
Oil and Gas Leases in Lance Creek to Be Sold ... 50
Petroleum Production ... 50
Petroleum Wastes Disposal Discussed in Govt. Report ... 50
Phila. Production Club Hears Mantell on Resins ... 36
Palmer-Schuster Moves ... 36
Pittsburgh Plate Glass Co. Makes Griffin Vice-President ... 29
Petroleum Status ... 49
Potash Co. Works at Carlsbad ... 52
Potash Consumption in Agriculture Shows Gain ... 52
Quicksilver Buying Depletes Calif. Supply ... 24
Radium Dial Loses Test Case ... 60
Small Business Ass'n Broadens Advisory Group ... 5
Tax Bills Differ in Excises ... 3
Tau Beta Pi Fellowship Won by N.Y.U. Student ... 24
Toilet Goods Ass'n Issues Convention Rates ... 59
Vegetable Oils Records Planned ... 3

General Features

Advertisers' Index ... 61
Bids Wanted ... 48
Books You Can Use ... 59
Chemical Price Trends ... 4
Classified Advertisements ... 60
Closing Market Developments ... 4
Contracts Awarded ... 48
Corporation Earnings ... —
Dividends Declared ... —
Editorials ... 22
Foreign Tariff Rules ... 4
Foreign Trade Openings ... 58
Industrial Uses of Chemicals ... 32
Informative Booklets ... —
Obituaries ... 24
Prices Current ... 7
Scientific, Professional Services ... 52
Trade Briefs ... 44, 59
What You Can Use ... 46
Where You Can Sell ... 32

Market Reports

Botanical Drugs, Spices, Gums ... 45
Coaltar Chemicals ... 28
Drugs and Fine Chemicals ... 41
Dyestuffs, Textile and Leather Chemicals ... 31
Essential Oils and Aromatics ... 47
Fertilizer Materials ... 51
Heavy Chemicals ... 25
Oils, Fats and Waxes ... 37
Paint, Varnish, and Lacquer Materials ... 33
Petroleum Solvents, Lubricants, Fuels ... 49

Shipping Information

Cargo Ship Arrivals ... 58
Charters ... 58
Coastwise Shipments ... 57
Exports ... 55
Imports ... 53
Imports Detained ... 58

Oil, Paint and Drug Reporter, Volume 133, No. 16, April 18, 1938. Published weekly by Oil, Paint and Drug Publishing Company, Inc., 59 John Street, New York. Annual subscription price:—United States, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

Drug-Chemical Group To Meet April 27

Management - employee relationships will be the topic at the luncheon meeting of the Drug, Chemical and Allied Trades Section of the New York Board of Trade April 27. The meeting will be in the Hotel Astor, luncheon to be served at 12:30 p.m.

The section will be addressed by Walter D. Fuller, president of the Curtis Publishing Company, Philadelphia, and Charles P. McCormick, president of McCormick & Co., Baltimore. The program will be under the direction of Hugh Craig, managing editor of the OIL, PAINT AND DRUG REPORTER.

Nuodex Gets Patent On Liquid Driers

April 5, the United States Patent Office granted to the Nuodex Products Company, Elizabeth, N. J., a patent—No. 2,113,496—covering its process of making "Nuodex" liquid naphthenate driers.

The Nuodex company had set up that it began marketing in 1934 a stable, oil-soluble liquid naphthenate drier, for which it claimed the advantage of easy admixture in paints, varnishes, and similar products, in comparison with the difficulty previously attending the introduction of driers in solid or plastic form. Application for a patent was filed about the time marketing of the liquid driers was started.

After this application had been pending in the United States Patent Office for about two years, the company says, the Standard Oil Company of California filed an application on a similar subject matter. The relative merits of the two applications have been under consideration of the patent authorities since the latter filing, and the granting of a patent to the Nuodex company recognizes it as the originator of the method of producing driers by double decomposition in the presence of two immiscible liquid phases.

N.Y. Druggists Plan Fair Trade Meeting

"Fair Trade on Parade" is the slogan adopted by the committee on arrangements for the annual meeting of the New York Pharmaceutical Council, April 26 and 27 in the Hotel Pennsylvania, this city. Nicholas S. Gesoalde, president of the North Brooklyn Pharmaceutical Association, who is chairman of the committee, says that it is the intention of the retailers "to let manufacturers know just where they stand on the question of price-stabilization through fair trade contracts."

The convention will be in session in the afternoon and evening of April 26 and in the afternoon of the following day. It will close with a banquet, entertainment, and dance the evening of April 27.

A special fair trade program is being arranged for the evening session April 26. Among the speakers scheduled to discuss various aspects of the subject are State Senator A. Spencer Feld, John F. O'Brien, chairman of the fair trade committee of the New York State Pharmaceutical Association; N. S. Gesoalde, chairman of the State association's legislative committee; and Fred J. Griffiths, secretary-treasurer of the National Association of Chain Drug Stores. Hugh Craig, managing editor of the OIL, PAINT AND DRUG REPORTER and associate editor of the *Drugists Circular*, will speak on "What the Public Is Not Told About Fair Trade."

The banquet will be a testimonial to State Senator Jeremiah F. Twomey. It will begin at 7:30 p.m. The charge will be $4 a person. Dress will be optional.

Celluloid Corp. Moves Chemical Div. Office to N.J.

The chemical division of the Celluloid Corporation, of which William B. Bell is director of sales, has moved its sales office to 290 Ferry street, Newark, N. J., where the general offices and factory of the corporation are located. Relocating of the chemical division's office from 10 East Fortieth street, this city, was made in order to facilitate the handling of inquiries and technical and shipping service. Other divisions of the Celluloid organization will continue to be located at the general sales office at 10 East Fortieth street.

Chemurgic Conference In Omaha April 25-27

The fourth annual chemurgic conference on agricultural, industry and science, under the sponsorship of the National Farm Chemurgic Council, will be held in the Hotel Fontenelle, Omaha, Neb., April 25 through 27.

The initial general session gets underway Monday at 2:30 p.m., and will have a number of speakers, including Walter T. Badger, consulting engineer for the Dow Chemical Company, Midland, Mich.; Karl T. Compton, president of the Massachusetts Institute of Technology; and Laurence A. Hawkins, exexcutive engineer of the General Electric Company, Schenectady, N. Y.

Symposium on New Things

"Chemurgic Laboratories," F. D. Farrell, president of Kansas State College, Manhattan, Kan.

"Chemurgic Fact Finding," William Crocker, director of the William Boyce Thompson Institute for Plant Research, Yonkers, N. Y.

"Sorbitol," R. I. Bashford of the Atlas Powder Company, Wilmington, Del.

"Texas Newsprint Mill Progress," Ernest L. Kurth, Lufkin, Tex.

"Furfural as Chemurgic Product," W. Courtney Wilson, Durite Plastics, Chicago, Ill.

"Developments in Farm Grown Plastics," William H. Mason of the Masonite Corporation, Laurel, Miss.

"New Products from Wheat," Clyde H. Bailey, University of Minnesota, St. Paul, Minn.

"Research on Wood Cellulose and Lignin," E. C. Sherrard of the Forest Products Laboratory, Madison, Wis.

"Ethocel," William Collins of the Dow Chemical Company, Midland, Mich.

"Walnut Shell Flour," L. E. Pitner of the Agicide Laboratories, Milwaukee, Wis.

Soybean Section

Tuesday, 9:15 o'Clock

"Soybean Oil," H. R. Kraybill, Purdue University, West Lafayette, Ind.; Lamar Kishlar of the Ralston Purina Company, St. Louis, Mo.; E. E. Ware of the Sherwin-Williams Company, Cleveland, O.

"Soybean Oilmeal," J. W. Hayward of the Archer - Daniels - Midland Company, Minneapolis, Minn.; E. E. Roquemore, Allied Mills, Inc., Chicago, Ill.; E. S. Dyas, Iowa State College, Ames, Iowa.

"Solving Problems of Southern Soybean Growers," C. O. Eddy, State Experiment Station, Baton Rouge, La.; Jacob Hartz, Stuttgart, Ark.; Walter Godchaux, New Orleans, La.

"Work of the U. S. Regional Soybean Industrial Laboratory," O. E. May, director of the U. S. Regional Soybean Industrial Laboratory, Urbana, Ill.

"Value of Recent Developments in Soybean Oil to Technical Trades," M. F. Taggart of the O'Brien Varnish Company, South Bend, Ind.

"The Story of Soybean Glue," Hugh F. Armstrong of the I. F. Laucks, Portsmouth, Va.

"Past and Future Prospects for Utilization of Soybean Products," E. F. Johnson.

—*Continued on page* 30

Austrian Imports Will Be German

OPD Washington Bureau
April 11, 1938

The Bureau of Customs today notified all collectors that after sixty days all goods imported from the territory which formerly composed the Republic of Austria must be marked to indicate Germany as the country of origin of such merchandise. Articles imported before the expiration of sixty days may be marked to show either Austria or Germany as the country of origin.

This action follows the announcement last week by the Department of State that for all practical purposes the disappearance of the Republic of Austria as an independent state and its incorporation in the territory of the German government must be accepted as a fact. At the same time President Roosevelt notified the Secretary of the Treasury to delete Austria from the list of nations which are to receive the benefit of duty reductions embodied in various reciprocal trade agreements.

Cosmetic Color Data Requested by T.G.A.

The cosmetic color division of the board of standards of the Toliet Goods Association has requested that its members prepare a list that contains colors which have proven innocuous. The list submitted by the members will be the subject of study and review by the dermatological and chemical advisory board of the association, for the ultimate purpose of endorsing such colors as clinical and medical experier.ce have shown to be both useful and harmless to the public.

In order to expedite the work of forming such a list, the request is made that members forward to H. Gregory Thomas, director of the board of standards of the association, a complete list of such coloring materials used in members' products, and which the members consider they should have the right to continue using. For the purpose of closer identification it is requested that the description of each color wherever possible should supply the following:—(1) color index number, (2) its chemical constitution, (3) the allowable tolerance of usual impurities, (4) the base upon which it is precipitated, (5) the precipitant used in its manufacture.

Castor Plant Cultivation And Utilization Planned

On the basis of field, laboratory, and processing investigations carried on for four years, the Woburn Degreasing Company of New Jersey, Harrison, offers a working plan for the agricultural development of the castor plant and chemical processing use in industry of the castor bean, its oil, and the

A.G.H. Reimold
President, Woburn Degreasing Company of New Jersey

pomace, of the cellulose of the castor plant, and of the insecticidal constituent of its leaves. This plan has been presented by the Woburn Industries Farm Bureau, a unit of the Woburn company, in a report prepared by M. D. L. Van Over, director of the bureau, submitted to American agriculture by A. G. H. Reimold, president of the Woburn Degreasing Company of New Jersey.

Association Formed

For the promotion of the Woburn proposal to agriculture there has been organized the Agricultural Chemical Association, with headquarters in Washington. This organization is being enthusiastically furthered by Smith W. Brookhart, formerly United States Senator from Iowa, who is temporary chairman, and has the supporting interest of certain officials of the National Grange. Mr. Brookhart says that the Woburn experimentation indicates that "if all the castor plant's by-products are put to practical use, markets in this country can absorb the crops from approximately 35,000,000 acres."

According to Mr. Brookhart, offers have been received of the use of 186,000 acres for the growing of pilot crops of the castor plant for seed purposes. This will comprise the planting of castor beans furnished by the Woburn company, the reporting of growing data, and the furnishing of at least a portion of the crop of beans to the association for expansion of plantings.

The association says that several hundred acres in New Jersey will be planted immediately, of which 69 acres have been made available by Col. William Newman, Newark. The entire property of J. Oscar Williams in Chatham township has also been placed at the disposal of the association for a pilot crop, and an offer has been received from Edmund R. Halsey, Newark, for an additional 800 acres if needed. Farmers who will cooperate are invited to write to the association for seed.

The Woburn report presents, in addition to the existing and potential markets for castor oil and its chemical derivatives, data on the insecticidal properties of the poisonous principle of the leaves of the plant and the cellulosic resources of the main stem and branches. It also points out that a stand of castor plants affords protection for other crops against destructive insects, the statement being made that "grasshoppers, locusts, and the like will not live to pass through or immediately over a row of these plants." The report further declares that the growing of castor plants is regenerative of the soil and affords protection against erosion.

Results of Investigations

In the Woburn report the results of the company's four years of research in respect of cultivation of the castor bean in the United States are summarized as follows:—

1. We secured varieties of castor oil plant seeds and chose land for growing them in New Jersey, convenient to our processing and conversion plants.

2. After four years of plant culture we developed a plant producing a seed which we discovered how to acclimate to New Jersey conditions (as well as to other climatic and soil conditions in various States). We can supply seeds to establish this industry in America.

—*Continued on page 44*

Cosmetic Claims Guaranty Asked

Manufacturers of cosmetics are asked to guarantee to dealers the truth of all claims made in advertisements, in a petition presented to the Toilet Goods Association by the vendor relations committee of the National Retail Dry Goods Association.

Officials of the manufacturers' association had a conference April 11 with the N.R.D.G.A. committee to discuss mutual relations under the Wheeler-Lea act giving the Federal Trade Commission supervision over advertising of foods, drugs, and cosmetics. The retailers' need for protection under the application of this law was stressed by representatives of their organization. They were assured by Hugo Mock, counsel for the Toilet Goods Association, that manufacturers would make every endeavor to extend the desired protection. The work of the T.G.A. board of standards was explained by Herman L. Brooks, president of the association, and he advised the retailers to submit to the board all advertising of which there was any doubt as to its legality.

Small Business Ass'n Broadens Advisory Group

The American Federation of Little Business has appointed additional members to the advisory committee. The new appointees will not only serve on the committee, William P. Ames, chairman of the federation said, but will direct State organizations of small business men in each congressional district and county.

The new members are:—Alabama, Joseph H. Cox, of the Connors Steel Company, Birmingham; Connecticut, A. J. Donahue, of the A. J. Donahue Corporation, Milford; Maine, Philip F. Champan, Portland; North Dakota, W. H. Westergaard, Williston; Utah, Joseph Ottenheimer, Salt Lake City; Vermont, Norman G. Knapp, of Gray Foundry, Inc., Poultney; Virginia, Alfred Thomson, Alexandria. The two new members named to serve at large on committee are M. Tilton Keefe, of the Keefe Realty Company, Cheyenne, Wyo., and Percy M. Hansen, Jamestown, N. D.

Canadian Tariff Deals Argued

OPD Washington Bureau
April 11, 1938

Hearings on extension of the tariff bargain with Canada were concluded last week after representatives of metal, lumber, and other industries had asked the Committee for Reciprocity Information not to grant concessions which would have the effect of forcing decreases in production in domestic industry.

Considerable discussion centered around nepheline syenite, a comparatively new mineral found in Ontario, which some witnesses said is being imported in quantities and is displacing domestic feldspar in the glass and pottery industries.

W. H. Hipps, president of the Feldspar Miners Association, Asheville, N. C., said that the Canadian government had aided Ontario miners with freight reductions and the construction of roads to the mines, so that they are able to deliver nepheline syenite at Rochester for $4 per ton, against a price of $6.50 for first-grade crude feldspar. He said that his association has endeavored to maintain wage scales and employment in the Southern feldspar mines, but that importation of nepheline syenite has forced the curtailment of production in his industry in the South.

Import Quota Urged

V. V. Kelsy, of the Consolidated Feldspar Company, Trenton, N. J., asked that nepheline syenite and feldspar from Canada be not bound on the free list, and suggested that a quota be established for nepheline syenite. If there is no duty on the product, a quota of 15,000 tons annually would be a fair adjustment, he declared.

The importance of maintaining a domestic feldspar industry for national defense was pointed out by Carroll P. Rogers, of the Feldspar Milling Company, Asheville, N. C., who told the committee that mica, a by-product of the feldspar industry, is a necessity in time of war.

The American Nepheline Corporation, Rochester, N. Y., and the New England Nepheline Company were represented by R. B. Ladoo. He told the committee that nepheline syenite is not an exact substitute for feldspar, but should be regarded as a new ceramic raw material. He said that, while it does replace feldspar to some extent, it is used largely in connection with it.

Mr. Ladoo declared that South Dakota feldspar, not nepheline syenite, has taken the Eastern markets from the Southern producers, and he denied that the Canadian nepheline miners had been aided by special freight reductions. In answer to questions from members of the committee, Mr. Ladoo declared that many of the Canadian mines are owned by United States interests.

Fertilizer Concession Asked

Charles J. Brand, of the National Fertilizer Association, appeared to ask that the present Canadian duty on mixed fertilizer be removed.

—*Continued on page 30*

Farm Chemurgic Appropriation Cut

OPD Washington Bureau
April 14, 1938

The appropriations committee of the house has reduced by 75 percent the Department of Agriculture appropriations bill allotment for the purpose of establishing four regional laboratories for the development of industrial products from farm crops. The new farm act authorizes an appropriation of $4,000,000 for the purpose; the house committee has reduced this item to $1,000,000.

The committee also has refused to appropriate $1,000,000 to the Secretary of Commerce for the promotion of the sale of farm commodities and products in compliance with authorization in the new farm law. Instead it has made a recommendation that this provision is not useful and should be repealed. It will be recalled that the Secretary of Commerce suggested the possibility of employing this fund in part in a study of conditions reported to him by the conference of representatives of "Little Business."

The Method of "Extinguishing" Mercury to make Blue Ointment was first described in the 13th century. The metal was, however, used chiefly in the transmutation efforts of the alchemists. Paracelsus tried to change their aims to consideration of its virtues for medicine and thus exerted a great influence upon chemical development.

MALLINCKRODT MERCURIALS

Valued in medicine — ingredients of fungicide for ship bottoms — putting greens and seed treatments.

CALOMEL • CORROSIVE SUBLIMATE
MERCURIAL OINTMENT • MERCURY METAL
MERCURY AMMONIATED • MERCURY BISULFATE • MERCURY IODIDE RED and YELLOW • MERCURY OXIDE RED and YELLOW
MERCURY SALICYLATE

GOLFERS ATTENTION!

Write for a copy of leaflet "Brown Patch Control with Economy" for your golf club.

Request the Mallinckrodt Industrial-Pharmaceutical Price-List

Mallinckrodt
CHEMICAL WORKS

CHICAGO MONTREAL
PHILADELPHIA TORONTO

2nd and Mallinckrodt Streets
St. Louis, Mo.

72 Gold Street, New York, N. Y.

RECEIVED APR 18 1938 LIBRARY THE CHEMISTS' CLUB

Current Market Quotations

All matter under this heading fully protected by copyright

When not otherwise indicated, quotations are f. o. b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., works....lb. .75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd..lb. .14 - —
5 & 10 gal. dms., dlvd.....lb. .16 - —
Acetamide, CP, kgs., 1,000 lb. lots, dlvd..lb. .44 - —
tech., kgs, 1,000 lb. lots, dlvd. lb. .39 - —
Acetanilide, tech., 95%, bbls..lb. .29 Nom.
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs, 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd.....lb. .04¾- —
Methyl (see M)
Acetonphenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kegs, 1,000 lbs..lb. 1.30 - —
single pkg.....lb. 1.35 - —
smaller pkgs.....lb. 1.42 - 1.40
Acid, abietic, dms., c.l.....lb. .08¾- —
l.c.l. .....lb. .09 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys..100 lbs. 14.00 - —
99.5%, nat., bbls., c.l., 100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
syn., al. dms., c.l.100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.98 - 9.18
USP, dms.....100 lbs. 10.25 -10.50
cbys. .....100 lbs. 10.75 -11.00
pure, 30%, bbls., c.l..100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls., c.l.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls., c.l.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls., c.l.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .60 - —
boxes, 25 lbs.....lb. .61 - —
kgs., 100 lbs.....lb. .60 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 3.35 - 3.60
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., devld.....ton.110.00 - —
l.c.l., ex whse.....ton.115.00 -120.00
sks., contracts, 80 tons, delvd..ton. 95.00 - —
c.l., delvd.....ton.100.00 - —
l.c.l., ex whse.....ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd.....ton.115.00 - —
l.c.l., ex whse.....ton.120.00 -135.00
sks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd.....ton.105.00 - —
l.c.l., ex whse.....ton.110.00 -125.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, cns.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17½- .18
Chinawood oil, dms.....lb. .18 - .18½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N. Y..lb. 15¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., bbls.....lb. .24 - —
kegs .....lb. .24½- —
gran., bbls.....lb. .24 - —
kegs .....lb. .24½- —
powd., bbls.....lb. .24½- —
anhyd., gran., dms.....lb. .26½- —
powd., dms.....lb. .27 - —

Prices on citric acid are f.o.b. N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Acid, coconut oil, dist., dms..lb. .09½- .10
Corn, dist., dms.....lb. .06 - .06½
Cottonseed oil, dist., dms....lb. .0635- .0735
tanks .....lb. .0585- —
Cresylic, high-boil, dom., c.l., works, frt. equaled..gal. .79 - —
l.c.l., same basis.....gal. .81 - —
low-boil, dms., c.l., works frt. equaled..gal. .87 - —
l.c.l., same basis.....lb. .89 - —
imported, pale, 97-99, dms., gal. .80 - .86½
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital)
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l...lb. .10½- —
l.c.l., 25 and over.lb. .11 - —
1-24 .....lb. .11½- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls. .....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .73
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls. .....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls. .....lb. .85 - —
Gluconic, tech., 50%, bbls., 600 lbs..lb. .20 - —
H, bbls. .....lb. .50 - .55
Hempseed oil, dms.....lb. .1180- .1225
Hydriodic, 47%, bots.....lb. 2.20 - 2.25
57%, bots. .....lb. 2.65 - 2.70
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys. .....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, bbls.lb. .10¼- .15
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade .....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, split, dms.....lb. .08½- .09
Laurent's, bbls.....lb. .45 - —
Levulinic, 5lb. bots., works.lb. 2.00 - —
Linseed, oil, dark or light, dms..lb. .1200- .1240
tanks .....lb. .1140- —
extra white, dms.....lb. .13 - .13½
Maleic, powd., dms.....lb. .30 - .40
anhydride, dms.....lb. .33 - .43
Malic powd., kegs.....lb. .45 - .60
Mandelic, bots.....lb. 2.30 - —
fib. dms.....lb. 2.05 - 2.20
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., USP, dealers, cbys..lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¼
Naphthenic, S.V. 120-200, dms., lb. .07 Nom.
210-230, dms.....lb. .09 Nom.
240-280, dms.....lb. .10 Nom.
sludges, dms.....lb. .05 Nom.
Neville & Winther's, bbls....lb. .63 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
Acid, nitric, 40°, cbys., c.l., E. works..100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, d. dist., dms.....lb. .0650- .0740
s. dist., dms.....lb. .0690- .0680
Perilla, dist., dms.....lb. .1522- .1572
Phenylacetic, bots.....lb. 1.85 - 3.25
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys.....lb. .09 - —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50% s. g., 1347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.63
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms.....lb. .38 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works.....lb. .37 - .41
Soybean oil, dist., dms.....lb. .09 - .09¼
Stearic, distil., double pressed, bgs., dlvd..lb. .11 - .12
single pressed, bgs., dlvd.lb. .10½- .11½
triple pressed, bgs., dlvd..lb. .13¾- .14¾
saponif., double pressed, bgs., dlvd..lb. .11¼- .12¼
triple pressed, bgs., dlvd.lb. .14 - .15
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots. works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP., dealers, cbys., lb. .06½- —
9-lb. bots. .....lb. .16½- —
consumers, cbys. .....lb. .08 - —
9-lb. bots. .....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms....lb. .40 - .47
USP, fluffy, bbls., 1,000 lb.-100-lb. lots .....lb. .90 - —
25-lb. lots .....lb. .93 - —
powd., bbls., 1,000 lbs....lb. .78 - —
smaller lots .....lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .25¼- —
smaller quantities.....lb. .25¾- —
kgs. .....lb. .26¼- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic, bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs, works....lb. 2.85 - 3.10
tech., kgs., works.....lb. 1.90 - 2.00
Aconite, leaves, bls.....lb. .25 - .26
Root, bls.....lb. .29 - .32
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar, 1, bls.....lb. .90 - .96
2, bls.....lb. .85 - .90
3, bls.....lb. .65 - .67
Agaric, white, bls.....lb. 3.00 - 3.20
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld....lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
lots..lb. .88 - —
smaller lots, same basis, lb. .18 - —
light, dom., flake, dms., f.o.b., Chicago., frt. alld. lb. .52 - .60
import, bgs. .....lb. .50 - —
Egg, ed., dom., cryst., bbls., lb. .82 - .84
dom., pwd., dms., bbls., lb. .88 - .90
import, cs. .....lb. .85 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .133 - —
l.c.l., frt. alld.....lb. .143 - —
tanks, frt. alld.....lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- .10
l.c.l., same terms.....lb. .10 - .10½
tanks, same terms.....lb. .08½- .09
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —

Acacia—Alum

Alcohol, butyl, tertiary, denat., dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100 lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
coml., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD11, 12, 13, dms., c.l., works, E..gal. .33 - —
l.c.l., works, 20 dms...gal .35 - —
1 to 19 dms.....gal. .38 - —
tanks, E., works.....gal. .27 - —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .32 - —
19 bbls., E. works...gal. .34 - —
1 to 18 bbls., E. works, gal. .37 - —
dms., c.l., E. works....gal. .31 - —
19 dms., E. works...gal. .33 - —
1 to 18 dms., E. works, gal. .36 - —
tanks, E. works.....gal. .25 - —

Anhydrous, 5c. per gal. higher.

SD23-G, works, E., dms., c.l., gal. .35½- —
19 dms.....gal. .37½- —
1 to 18 dms.....gal. .40½- —
tanks .....gal. .29½- —

Prices for territories other than E. of Rockies, 3c. per gal. higher.

Special solvent, dms., c. l., E. works..gal. .32 - —
20 dms., E. works...gal. .34 - —
1 to 19 dms., E. works, gal. .37 - —
tanks, E. works.....gal. .26 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt., alld..lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
tech., contract, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.11 - —
19 bbls.....gal. 4.13 - —
1 to 18 bbls.....gal. 4.16 - —
dms., c. l.....gal. 4.10 - —
19 dms.....gal. 4.12 - —
1 to 18 dms.....gal. 4.15 - —
tanks .....gal. 4.04 - —
absolute, dms., c.l.....gal. 4.40 - —
19 dms.....gal. 4.42 - —
1 to 18 dms.....gal. 4.45 - —

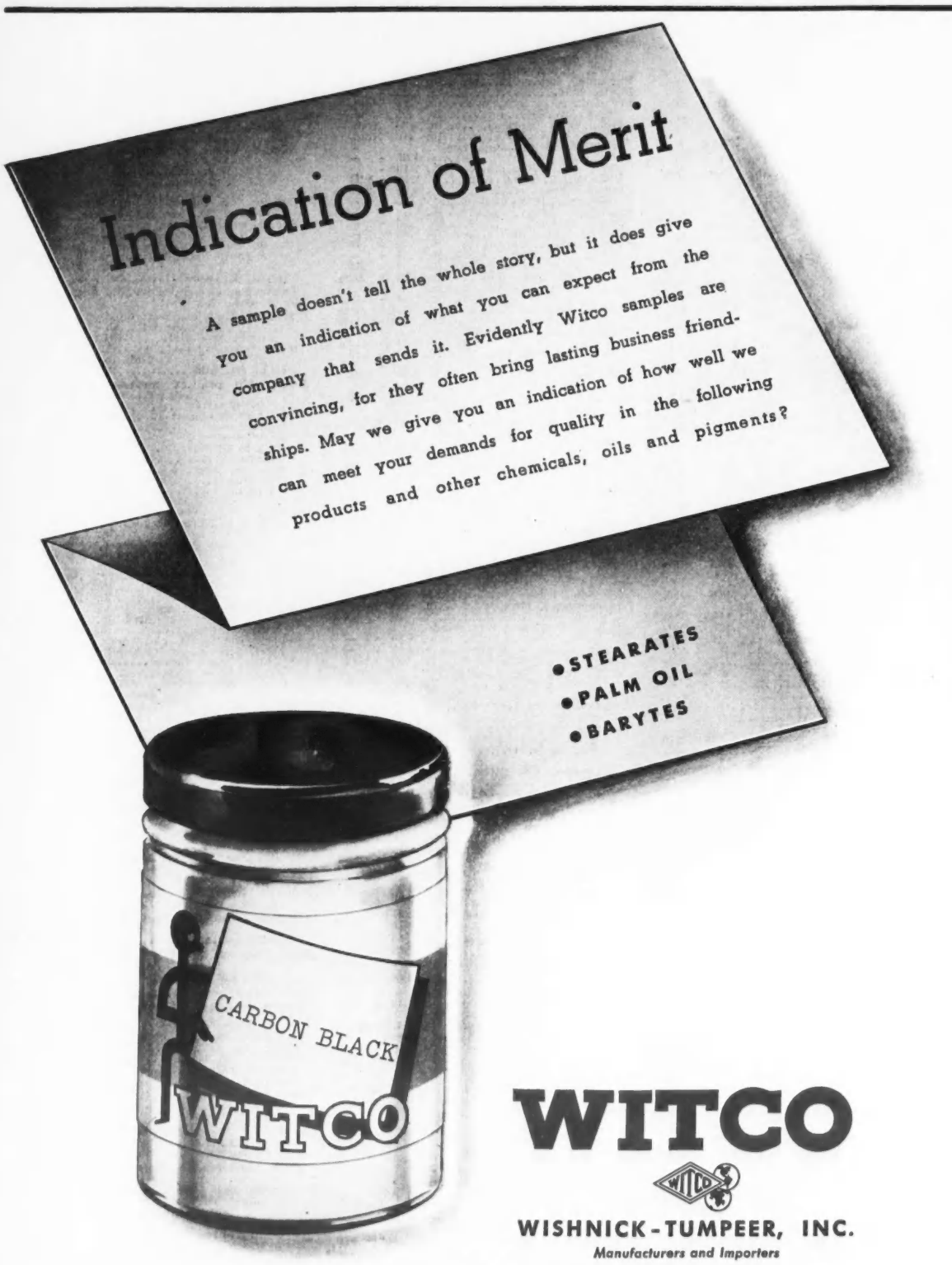
Grain alcohol 45c. per gal. higher.

Furfuryl, tech., cns., works..lb. .85 - —
dms., c.l., 33,000 lbs., works, lb. .80 - —
l.c.l., 500 lbs. and more, works..lb. .85 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky Mts.lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .33 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.lb. .09¼- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08¼- —
Isopropyl, 99%, c.l., dms., f.o.b., dest..gal. .36 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .31 - —
refd., 91%, dms., c.l., same basis..gal. .36 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .31 - —
tech., 91%, dms., c.l., same terms..gal. .33½- —
l.c.l., same terms....gal. .38½- —
tanks, same terms....gal. .28½- —
98%, dms., c.l., same terms, gal. .37½- —
l.c.l., same terms....gal. .42½- —
tanks, same terms.....gal. .32½- —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.70 - 4.25
Propyl (see Isopropyl)
Aldehol, denat., grade, dms., tanks, works.....gal. .70 - .72
Aldehyde bisulphite bbls., dlvd. lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 & 110 gal. dms., dlvd..lb. .20 - —
5 & 10 gal. dms., dlvd.....lb. .22 - —
Aletris root, bgs.....lb. .40 - .41
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.....lb. .22 - .23
Curacao, cs. .....lb. .35 - .37
gourds, bbls.....lb. .50 - .55
Socotrine, kgs.....lb. .45 - .50
Aloin, 140-lb. bbls.....lb. 2.00 - —
100-lb. kegs.....lb. 2.02 - —
25-lb. fib. dms.....lb. 2.09 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bls.....lb. .30 - .33
Alum, ammonia, burnt, USP, bbls. kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - 3.40
dlvd. N.Y., Phila..100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - 3.65
dlvd, N.Y., Phila..100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.55 - 3.80
dlvd. N.Y., Phila..100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Alum—Amyl Acetate

Alum, potash, gran., bbls., works, 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila..100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - 4.05
dlvd. N.Y., Phila..100 lbs. 3.80 - —
Potash alum prices on same basis as those for ammonia alum.
Potash-chrome, bbls.....lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20% normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
32%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 875 lbs., works.lb. .08 - —
100 lbs., or less, works.lb. .09 - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls.....lb. .03¼- —
bgs., c.l.....lb. .0260- —
light, bbls., dlvd.....lb. .12 - —
Alumina, oleate, dms., contr..lb. .16¾- —
open order.....lb. .17¾- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l, bgs., c.l. works, frt. equaled.100 lbs. 1.55 - —
l.c.l., works, frt. equald.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.55 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —
iron-free, bgs., c.l., works... 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.25 - 2.40
truckloads, bgs.....100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
5 to 9, dlvd. met. N.Y. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.30 - —
bbls., c.l., works....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - —
truckloads, dlvd., met. N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
5 to 9, dlvd. met. N.Y. 100 lbs. 3.00 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.50 - —
Aluminum, 98-99%, dms., c.l....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb. .62 - —
5,000 lbs., same basis..lb. .64 - —
1,500 lbs., single shipt., same basis..lb. .65 - —
Aluminum paste (Cont):—
On 1,500-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 1,500-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c. on 200-399 lbs.; 10c. on 10-199 lbs.
ink, dms., 30,000 lbs., same basis..lb. .73 - —
6,000 lbs., same basis...lb. .74 - —
1,500 lbs., single shipt., same basis..lb. .75 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .41 - —
5,000 lbs., same basis...lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb. .90 - —
5,000 lbs., same basis..lb. .91 - —
1,500 lbs., single shipt., same basis..lb. .92 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .55 - —
5,000 lbs., same basis..lb. .56 - —
1,500 lbs., single shipt., same basis..lb. .57 - —
split shipts. (see note fine lining paste).
litho, extra brilliant, dms., 30,000 lbs., same basis. lb. .41 - —
5,000 lbs., same basis.lb. .42 - —
Aluminum, powd., litho., extra brilliant, dms., 1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45 - —
5,000 lbs., same basis..lb. .46 - —
1,500 lbs., single ship., same basis..lb. .47 - —
split shipts. (see note fine lining paste).
standard dms., 30,000 lbs., same basis..lb. .40 - —
5,000 lbs., same basis..lb. .41 - —
1,500 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
wallpaper, dms., 30,000 lbs., same basis..lb. .41 - —
5,000 lbs., same basis..lb. .43 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
rubber comp., dms., 30,000 lbs., same basis..lb. .38 - —
5,000 lbs., same basis..lb. .39 - —
1,500 lbs., single shipt., same basis..lb. .40 - —
split shipts (see note fine lining paste).
unpolished, dms., 30,000 lbs., same basis..lb. .35 - —
5,000 lbs., same basis..lb. .36 - —
1,500 lbs., single shipt., same basis..lb. .37 - —
split shipts. (see note fine lining paste).
varnish, extra brilliant, dms., 30,000 lbs., same basis, lb. .41 - —
5,000 lbs., same basis..lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45 - —
5,000 lbs., same basis..lb. .46 - —
1,500 lbs., single shipt., same basis..lb. .47 - —
split shipt. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .40 - —
5,000 lbs., same basis.lb. .41 - —
1,500 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
Ambergris, gray, tins.....oz. 17.00 -36.00
Aminopyrine, fib., dms., 100 lbs., lb. 4.00 - —
bots., 5 lbs.....lb. 4.22 - 4.26
Ammonia, acetate, kgs.....lb. .26 - .33
Aldehyde, dms. .....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.). works..lb. .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), dlvd., E..lb. .05 - .05½
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .43
1,000 lbs. to 3,900 lbs...lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works. 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .17 - .19
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls. lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .17
powd., bbls., dms.....lb. .09 - .25
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .13
100 lb. kgs. .....lb. .15 - —
Citrate, dms. .....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls. .....lb. .17 - .19
Hydroxide, (see Ammonia, aqua),
Hypophosphite, fib., dms....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.32 - —
jars .....lb. 3.25 - —
Laurate, bbls. .....lb. .23 - —
Linoleate, 80%, anhyd., bbls.lb. .15 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Naphthenate, bbls. .....lb. .17 - —
Nitrate, tech., bags, c.l., works, 100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms.....lb. .15 - —
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .19 - .20
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade). 11% N 18% phos. bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c,l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls. .....lb. .15 - —
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens.ton. 29.50 - —
Ammonia sulphate bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis., and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.
Sulphide, liquid, 35-40%, basis 100%, dms,, works..lb. .12 - .15
tanks, delvd. .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works.....lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs. .....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom,, bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, csks. .....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11 - —
l.c.l., frt., alld.....lb. .11½- —
tanks, works.....lb. .10 - —
ex pentane, dms., frt. alld.lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —


Indication of Merit
A sample doesn't tell the whole story, but it does give you an indication of what you can expect from the company that sends it. Evidently Witco samples are convincing, for they often bring lasting business friendships. May we give you an indication of how well we can meet your demands for quality in the following products and other chemicals, oils and pigments?
•STEARATES
•PALM OIL
•BARYTES
CARBON BLACK
WITCO

WITCO

WISHNICK-TUMPEER, INC.

Manufacturers and Importers

New York . . . . . 295 Madison Avenue
Boston . . . . . 141 Milk Street
Chicago . . . . . Tribune Tower
Cleveland . . . . 616 St. Clair Ave., N. E.

Witco Ltd., Bush House, London, W. C. 2, England

Witco Affiliates:
Witco Oil & Gas Company • The Pioneer Asphalt Company • The Panhandle Carbon Company

BUY DIRECT AND PROFIT DIRECTLY

Amyl acetate, secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal. returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, small lots, works.....lb. .56 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.25 - 1.30
Angelica root, dom., bls.....lb. .16 - .22
import, natural, bls.....lb. .20 - .22
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .30 - .31
Anilin oil, dms.....lb. .15 - .16
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .13 - .13½
Star, bgs.....lb. .14 - .15
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs .....lb. .07½- .08
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .13¾- —
Needle, powd., bbls.....lb. .14 - .16
Oxide, bbls., c.l.....lb. .12½- —
l.c.l. .....lb. .13 - —
Antimony, Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c..lb. .12½- .15¼
Antipyrene, bbls., kgs., ton lots, smaller lots.....lb. 2.00 - —
Apomorphine, bots.....lb. 2.10 - 2.15
Archil extract, con., bbls.....oz. 23.20 -23.70
double, bbls.....lb. .21 - .27
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .18 - .20
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos.32.00 -34.00
Arnica flowers, bls.....lb. .29 - .35
Root, bls.....lb. .45 - .46
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .08¾
bbls.....lb. .08¼- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .40 - .41
Red, import, cs.....lb. .15¾- .16½
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .25 - .26
powd., bbls., bxs.....lb. .40 - .41
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03¼- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .03¼- —
smaller lots, f.o.b. N. Y.lb. .10¼- —
California, dms., c.l., f.o.b. N.Y. ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l.,f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, seconds, bgs., c.l., Western shipt. points .....ton.32.90 - —
selects, bgs., c.l., Western shipt. points..ton.35.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.49.50 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
l.c.l. f.o.b. N. Y.....ton.29.00 - —
Maltha, dms., c.l.,f.o.b.N.Y.ton.29.00 - —
l.c.l. f.o.b. N. Y.....ton.36.50 - —
Manjak (see Asphaltum, Barbados)
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif, refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06¼- —
N. Orleans refinery....gal. .06 - —
Atropine, bots.....oz. 5.25 - 5.80
Sulphate, bots.....oz. 2.85 - 2.95
cns.....oz. 2.80 - —

B

Balm of Gilead buds, bgs.....lb. .35 - .40
Barberry bark, bgs.....lb. .20 - .22
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works..ton.44.00 - —
99%, 200 mesh, bgs., c.l., works..ton.47.00 - —
precip., bgs., c.l., works.ton.52.50 - —
bbls., works.....ton.57.50 - —
l.c.l., bgs., works.....ton.57.50 - —
bbls., works.....ton.62.50 - —
Barium, carbonate, sulphur-free bgs., bbls., c.l., works.ton.57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms.....lb. .20 - —
tech., doma., cryst., bgs., c.l., Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
Barium, chloride, tech., dom., cryst., bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, bbls., same basis..ton.90.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. - S. Carolina, Ga., Ala., Miss., Fla..ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., dlvd., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., same basis....ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms.....lb. .11 - .13
Fluoride, bbls.....lb. .11½ - .12
Fluosilicate, bbls.....lb. .11½- .12
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots.....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks.....lb. .07 - .07½
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09¼- .10
kgs.....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.35 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City.....ton.30.93 - —
Los Angeles.....ton.42.00 - —
New York .....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.39.30 - —
Southern off color, bulk, mines..ton.12.00 - —
96.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock, t.a..ton.25.00 -26.00
l.c.l., ex whse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock, ton.13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex whse.....ton.32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71¼ Nom.
Bayberry bark, bgs.....lb. .15 - .18
Belladonna leaves, bls.....lb. .14 - .16
Root, bls. .....lb. .11 - .12
Bentonite, 200 mesh, bgs., Wyo. works..ton.11.00 - —
325 mesh, bgs., Wyo. works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., USP, X, dms., 50 to 100 lbs..lb. .60 - .70
5 to 25 lbs.....lb. .85 - —
Benzene (see benzol).
Benzidin base, bbls.....lb. .90 - .95
Benzol, 90%, nitration, pure, dms., works..gal. .70 - —
tankcars, frt. alld. E. of Omaha..gal. .21 - —
Benzol tankcar prices, West, f.o.b. works. .gal. .16 - —
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .94 - —
dms. .....lb. .89 - —
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.20 @ 3.50
Berberine bisulphate, cns.....lb.16.75 - —
Hydrochloride, cns.....lb.16.75 - —
Sulphate, cns.....lb.16.75 - —
Berberis root, bls.....lb.16.75 - —
Betanaphthol, subim., bbls.....lb. .15 - .16
kgs. .....lb. .55 - —
tech., bbls., c.l., works.....lb. .60 - —
l.c.l., bbls., works.....lb. .23 - —
Benzoate, fib. dms.....lb. .24 - —
kgs. .....lb. 2.10 - —
Betanaphthylamine, tech., kgs.lb. 2.00 - —
Beth root, bls.....lb. .51 - —
Bismuth chloride, 5-lb. bots...lb. .20 - .22
Citrate, USP, VIII, 5-lb. bots., jars .....lb. 2.76 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.22 - 1.48
fib. dms.....lb. 1.13 - 1.16
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.42 - 1.68
fib. dms. .....lb. 1.33 - 1.36
Subiodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., fib. dms.....lb. 1.12 - 1.38
Subsalicylate, 62-66%, bxs..lb. 1.03 - 1.06
bbls., fib. dms.....lb. 2.44 - —
Sulphocarbolate, 5-lb. bots...lb. 2.35 - —
fib. dms.....lb. 3.61 - —
Trioxide, powd., 5-lb. bots...lb. 3.50 - —
cns. .....lb. 3.56 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., fib. dms.....lb. 3.14 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
1, bbls., bgs., c.l., frt. alld. E. lb. .16¼- —
l.c.l., frt. alld. E.....lb. .12¼- —
2, bbls., bgs., c.l., frt. alld E. lb. .10¼- —
l.c.l., frt. alld, E.....lb. .11 - —
Black, bone, 3, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld, e.....lb. .10 - —
4, bbls., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld, E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld, E.....lb. .08 - —
6, bbls., bgs., c.l., frt. alld. E. lb. .06¼- —
l.c.l., frt, alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½- —
2 bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4 bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs, l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in N. A. (water freights extra). lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States).lb. .0319- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0335- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga. Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)....lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (sellers option) l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd.....lb. .07 - —
export, full, comprsd., cs, f.a.s. Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
3, bbls., l.c.l., works.....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N. Y..lb. .06 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .09 - —
l.c.l., f.o.b. N. Y.....lb. .11 - —
3, bbls., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b., N. Y.....lb. .13 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .14 - —
l.c.l., f.o.b. N. Y.....lb. .19 - —
6, bbls., c.l., f.o.b. N. Y..lb. .20 - —
l.c.l., f.o.b. N. Y.....lb. .24 - —
Vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under dyes.
Black haw, root bark, bls.....lb. .30 - .32
Tree bark bls.....lb. .15 - .16
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.75 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.75 - —
import, bgs., c.i.f. ports, Apr. shipt., unit-ton. 3.00 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .15
Blue, alkali, toner, bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order .....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld. lb 3.30 - 3.70
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts.lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —

Amyl Acetate—Brown

Blue, soluble, bbls., same basis alkali toner, contracts, open order.....lb. .36 - —
Tungstated, peacock, kegs..lb. .37 - —
Victoria, kgs.....lb. 4.00 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. 4.60 - —
regular 1, bbls., works, frt. equaled..lb. .11 - —
2, bbls., same basis....lb. .16 - —
3, bbls., same basis....lb. .18 - —
4, bbls., same basis....lb. .19 - —
5, bbls., same basis....lb. .20 - —
6, cobalt, A, same basis.lb. .23 - —
B, bbls., same basis.lb. .27 - —
C, bbls., same basis.lb. .24 - —
D, bbls., same basis.lb. .23 - —
7, A, bbls., same basis..lb. .22 - —
B, bbls., same basis..lb. .23 - —
special, 1, bbls., same basis, lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls., same basis....lb. .25 - —
3, bbls., same basis....lb. .23 - —
4, bbls., same basis....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs...lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.25 - —
16-50 bbls., same basis, 100 lbs. 4.40 - —
6-15 bbls., same basis, 100 lbs. 4.50 - —
1-5 bbls., same basis, 100 lbs. 4.75 - —
monohydrated, dms., c.l. dealer, f.o.b. works..100 lbs. 8.65 - 8.90
l.c.l., dealers...100 lbs. 9.65 - 9.90
Bluestone (see Blue vitriol).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.26.00 -27.00
c.i.f. Atlantic ports....ton.28.50 - —
import, bgs., c.i.f., ports.ton.27.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.17.00 -19.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.21.50 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago..ton.16.00 -18.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.20.00 - —
Borage flowers, bls.....lb. .20 - .21
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.52.00 - —
l.c.l., ex whse.....ton.61.00 -66.00
sks., contracts, 80 tons min,, dlvd..ton.42.00 - —
l.c.l., ex whse.....ton.51.00 -56.00
powd., bbls., contracts, 80 tons min., dlvd..ton.57.00 - —
l.c.l., ex whse.....ton.66.00 -71.00
sks., contracts, 80 tons min., dlvd..ton.47.00 - —
l.c.l., ex whse.....ton.56.00 -61.00
USP., $18 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
cns. .....lb. 1.50 - —
Brazilwood extract (see Hypernic),
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.25 - 4.50
Bronze powder, aluminum (see Al).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12¼- —
2, bbls., same basis....lb. .11¼- —
3, bbls., same basis....lb. .10¼- —
4, bbls., same basis....lb. .08¾- —
5, bbls., same basis....lb. .08¾- —
6, bbls., same basis....lb. .08¼- —
7, bbls., same basis....lb. .08 - —
8, bbls., same basis....lb. .07¾- —
9, bbls., same basis....lb. .07¼- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .06¼- —
12, bbls., same basis....lb. .06¼- —
13, bbls., same basis....lb. .06¼- —
14, bbls., same basis....lb. .06 - —
raw, American, bbls., works, lb. .05½- —
Italian, 1, bbls., f.o.b, N. Y. or works .....lb. .02¾- —
2, bbls., same basis....lb. .12½- —
3, bbls., same basis....lb. .10¾- —
4, bbls., same basis....lb. .11 - —
5, bbls., same basis....lb. .09½- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08½- —
8, bbls., same basis....lb. .07¾- —
9, bbls., same basis....lb. .07¼- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .06 - —
umber, American, bbls., works, lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N.Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04¼- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
ex whse, Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —

Brown—Diphenyl.

Brown, Vandyke, bbls., l.c.l..lb. .05½- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .43 - .44
Buckthorn bark, true, bls.....lb. .05 - .05½
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .10 - .10½
Burgundy pitch, dom., bbls., c.l., works..lb. .05½- —
l.c.l., dlvd. E.....lb. .06¼- —
import, stands.....lb. .15 - .16
Butanes, coml., 16-34°, tanks, group 3..gal. .03¾- —
Butternut bark, bls.....lb. .08 - .09
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld..lb. .10½- —
tanks, contract, frt. alld..lb. .09 - —
Secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .08 - —
l.c.l., same terms.....lb. .08½- —
tanks, same terms.....lb. .07 - —
Alcohol (see Alcohol):—
Aldehyde, dms., l.c.l.....lb. .16½- .17½
Carbinol (see Carbinol).
Crotonate, normal, 55 & 110 gal. dms., dlvd..lb. .33 - —
5 & 10 gal. dms., dlvd....lb. .36 - —
Lactate, dms.....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .20 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium bromide, jars, 100 lbs., works, frt. equal'd..lb. 1.66 - —
50 lbs., works.....lb. 1.66 - —
25 lbs., works.....lb. 1.71 - —
bots., 5 lbs., works.....lb. 1.85 - —
Iodide, 5-lb. bots.....lb. 3.96 - —
25-lb. cns.....lb. 3.82 - —
Lithopone (see Yellow)
Metal, cs.....lb. 1.20 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.25 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cns., 10,000 lbs., or more..lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
6-lb. cns., 25 lbs., or more. lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .25 - .26
Calamus root, bleached, cs.....lb. .45 - .50
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs., dlvd.100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06¾- .07
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
56 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-80%, bgs., dms., c.l., dlvd..ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works. ton. 7.50 - —
solid, dom., 73-75%, bgs, dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.70 - 3.85
Lactate, USP., bbls., 200 lbs..lb. .25 - —
Levulinate, bots., less than 25 lbs., works, dlvd..lb. 3.00 - —
Nitrate, bgs., to fert. mfrs., ex vessels, Camden, N. J., or f.o.b. cars, So. Atlantic ports. ton.28.00 - —
Palmitate, bbls.....lb. .22 - .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. .78 - —
tribasic, c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton..lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 65-70%, CaS, wks., c.l...ton.64.00 - —
l.c.l. .....ton.68.00 - —
75% CaS (minus 100 mesh), c.l., works..ton.52.00 - —
l.c.l., works.....ton.56.00 - —
83-85 CaS, c.l., works...ton.58.00 - —
l.c.l., works.....ton.64.00 - —
luminous, dom., tins, works, 100 lbs..lb. .85 - —
Sulphocarbolate, bbls., 200 lbs.lb. .43 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .36 - .37
Calomel, bbls. fib., dms., kgs., 50 lbs., or more..lb. 1.18 - —
Camphor, natural, powd., cs...lb. .54 - .55
slabs, cs.....lb. .54 - .55
tablets, tins.....lb. .59 - .60
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs.lb. .50 - —
500 lbs.....lb. .51 - —
100 lbs.....lb. .52 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs..lb. .0470- .0500
Morocco, bgs.....lb. .0470- .0500
Turkish, bgs.....lb. .0470- .0500
Canella alba bark, bls.....lb. .30 - .31
Cantharides, Chinese, cs.....lb. .60 - .70
powd., bxs.....lb. .70 - .80
Russian, cs.....lb. 1.05 - 1.10
powd., bxs.....lb. 1.20 - 1.25
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .07¼- .07½
Carbazole, 70-80%, dms., works.lb. .60 - —
90%, dms., works.....lb. .89 - —
95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works.lb. .85 - —
98.5-99%, dms., ton lots, works. lb. .75 - —
smaller quantities, works.lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .06 - —
l.c.l., same basis.....lb. .06¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal. dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tank s, same basis.....lb. .05 - —
Fire extinguisher liquid 1½c. lb. higher.
Cardamom, bleached, cs.....lb. 1.38 - 1.70
decorticated, cs.....lb. .88 - .90
green, bgs.....lb. .60 - .64
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .09¾- .10
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .07 - —
5 tons, works.....lb. .08¾- —
smaller lots, works....lb. .09½- —
80-100 mesh, bgs., c.l., dlvd. lb. .07½- —
5 tons, works.....lb. .09 - —
smaller lots, works.....lb. .09¾- —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12½ Nom.
80-100 mesh bgs., c.l., duty paid..lb. .13 Nom.
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom.
Cassia, Batavia, 1, bgs.....lb. .16¼- .16½
3, bls.....lb. .09¾- .10¼
shortstick, bls.....lb. .12¾- .13
China, rolls, select, cs.....lb. .07¼- .07½
broken, extra, bls.....lb. .04¾- .05
Saigon, bls.....lb. .15¾- .16
Cassia buds, cs.....lb. .18¼- .16½
Cassia fistula, bskts.....lb. .07 - .09
Castile soap, white, bars., cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton.21.00 - —
import, bgs., c.l.f., ports, shipment..ton.21.00 - —
Catnep leaves, bls.....lb. .17 - .18
Celery seed, French, bgs.....lb. .14¾- .14¾
Indian, bgs.....lb. .12¾- .13¼
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., frt. alld..lb. .40 - —
Cellulose, acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .58 - —
smaller lots, works.....lb. .55 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .20 - .21
Roman, bls.....lb. .27 - .28
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N.H., R. I., Vt ..ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis...ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex. ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn.....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02125- —
l.c.l., bbls., works.....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 200 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works....ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9% 325 mesh, bulk, c.l., works, ton. 9.50 - —
paper bgs., c.l., works, ton.12.50- —
Import, white, lump, bulk, c.l., ex dock Balto, Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock. ton.35.00 - —
ex whse.....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .83 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05½- —
contracts, dlvd., N.Y....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald..100 lbs. 2.30 - —
tanks, multiple unit, 2, works, frt. equald..100 lbs. 2.55 - —
1, works, frt. equald. 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms..lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .25 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml, 100 lb. cyls., wks..lb. .85 - —
5-lb. cyls., same basis....lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs., bbls.....lb. .05 - .08
Cake, bulk, c.l., works.....ton.15.00 -16.00
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .18 - .19
long, cs.....lb. .55 - .60
short, bgs.....lb. .50 - .55
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs..oz. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns..100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns..100 ozs...oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms , 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.f.c. cbys.....lb. 1.35 - 1.40
Cinnamon, Ceylon, 2, bls.....lb. .16¾- .17
3, bls.....lb. .10½- .16¾
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine, ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .13½- .14
Zanzibar, bls.....lb. .16½- .16¾
Clover tops, bgs.....lb. .13 - .14
Coaltar, coal-gas., crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.00 - —
refd., dms., c.l., works....dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .65 - .67
Carbonate, tech., bbls., dlvd..lb. 1.63 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .39
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .16 - .17
Cocoa butter, lump, bgs., c.l..lb. .1360-
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .08 - .09
Blue, root, bls.....lb. .07 - .07½
Colchicine, bots., 4 ozs.....oz.25.00 - —
single ozs.....oz.26.00 - —
Colchicum seed, bgs.....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12¼- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .28 - .32
Colombo root, bls.....lb. .11 - .12
Coltsfoot leaves, bgs.....lb. .07 - .08
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns.....lb. .24 - .25
S.A., USP, cns.....lb. .26 - .27
Copper acetate, normal, bbls., dlvd..lb. .23 - —
smaller containers, dlvd..lb. .25 - —
Carbonate, 52-54%, bbls.....lb. .14½- .15½
20%, bbls.....lb. .10½- .11½
Chloride, cryst., bbls.....lb. .13 - .14
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .10 - —
Nitrate, cryst., bbls.....lb. .15 - .17
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .14½- .15
smaller lots, works.....lb. .15½- —
red, com'l, 50-75%, kgs, f.o.b. N.Y..lb. .16 - —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.16.00 - —
bbls., c.l., works.....ton.18.00 - —
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.13.00 - —
Copra, bgs., Pacific Coast.....lb. .0200 Nom.
Coriander seed, Morocco, bgs..lb. .0565- .0585
bleached, bgs.....lb. .08 - .08½
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.15 - —
ex whse.....100 lbs. 3.25 - —
Syrup, 42°, bbls., c.l.....100 lbs. 3.09 - —
43°, bbls., c.l.....100 lbs. 3.14 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 1.05 - —
gran., powd., dms., 50 lbs. or more..lb. .91 - —
Cottonroot bark, bls.....lb. .13 - .14
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd..unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns.....lb. 3.10 - —
1-lb. cns.....lb. 3.25 - —
1-oz. cns.....lb. 3.60 - —
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .07 - .09
Cranesbill root, bls.....lb. .18 - .20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .20¾- —
smaller lots, bbls.....lb. .21¼- —
kgs. .....lb. .21¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Creosote oil, crude, tanks, works, gal. .13½- .14½
Coaltar solution, tanks, works, gal. .122 - .123
refd., bbls., c.l., works...gal. .22½- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .12 - —
l.c.l., same basis.....lb. .12½- —
special resin grade, dms., c.l., works..lb. .10¾- —
l.c.l., same basis.....lb. .10¾- —
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd..lb. .22 - —
5 and 10 gal. dms., dlvd..lb. .25 - —
works..lb. .26 - —
l.c.l., works.....lb. .30 - —
Cube root, powd., 6% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .28 - —
2,000 lbs. to 10,000 lbs..lb. .29 - —
1,000 lbs. to 2,000 lbs..lb. .31 - —
200 lbs. to 1,000 lbs.....lb. .33 - —
4% rotenone prices are 4½c. per lb. less.
Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .32 - .33
powd., cs. .....lb. .34 - .35
Culver's root, bls.....lb. .17 - .18
Cumin seed, Algerian, bgs....lb. .03¾- .00¼
Indian, bgs.....lb. .10 Nom.
Morocco, bgs.....lb. .10 Nom.
Cutch, Philippine, bls., c.l....lb. .05½- .06
Extract, solid, bgs.....lb. .06½- .08½
Cyanamide, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit.. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
lump, dms..lb. .13 - —

D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, German, bls..lb. .15 - .16
Deertongue leaves, bls.....lb. .10 - .11
Degras, common, dom., bbls...lb. .07¾- .08¼
English, bbls.....lb. .07¾- .08¼
neutral, dom., bbls.....lb. .11 - .15
English, bbls.....lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .39 - —
2,000 lbs., to 10,000 lbs..lb. .40 - —
1,000 lbs., to 2,000 lbs..lb. .41½- —
200 lbs., to 1,000 lbs..lb. .43 - —
4% rotenone prices are 6c. per lb. less
Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Dextrin, British gum, c.l. f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.50 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.70 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.45 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
Potato, import, bgs.....lb. .07¼- .08¾
Diamyl ether, dms., c.l., works. lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd..lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
tanks, dlvd.....lb. .19½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works., lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works.lb. .096 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.30.00 - —
Dibutylamine, dms., l.c.l., works, lb. .55 - —
Dibutyl phthalate, dms., l.c.l..lb. .21 - —
Tartrate, dom., dms.....lb. .45 - .54
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l. works..lb. .16 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .26 - —
tanks, works.....lb. .23 - —
Diethyl carbonate, coml., dms.lb. .81¾- —
refd. 99%, dms.....lb. .50 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l.....lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .13 - —
Diethylaniliin, dms.....lb. .40 - .50
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works.....lb. .17 - —
Monobutylether, dms., works.lb. .28 - .34
Diethylene glycol monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethylene oxide, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, works.....lb. .19 - —
Digitalis, leaves, dms.....lb. .42 - .45
Diglycol oleate, light, bbls....lb. .21 - .24
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .07¼- .07¾
Dimethyl phthalate, dms., l.c.l. lb. .19 - —
Dimethylaniliin, dms.....lb. .36 - .37
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls.....lb. .16 - .18
Dinitrochlorobenzene, bbls.....lb. .14 - —
Dinitrononaphthalene, kgs.....lb. .35 - .39
Dinitrophenol, bbls.....lb. .23 - .24
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms, 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .20 - .25
Oxide, perfume grade, cns....lb. .50 - .55
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00

Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .12 - .13
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls.....lb. .07 - .08
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .80 - .85
Dubois sulphate, vls.....oz. 34.50 -35.00
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
320 Direct cast scarlet.....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
882 Direct scarlet B.....lb. 1.50 - 1.75
887 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B.....lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .65 - 1.00
581 Direct black EW.....lb. .25 - .30
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
693 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p. c., paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives.lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenezene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
729 Victoria blue.....lb. 2.55 - —
860 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 2.00 - —
Violet:—
680 Methyl violet.....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .37 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .35 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .. ..lb. .52 - —

Dyes, coaltar, for stains (numbers are those of Colour Index)—
183 Crocein scarlet 3BX..lb. .60 - —
185 Cochineal red A....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .22 - .23
Egg albumen (see Albumen), yolk, bbls.....lb. .62 - .64
Elder flowers, bright, bls.....lb. .20 - .22
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .50 - .55
Emetine hydrochloride, bots...oz. 17.00 -18.00
Ephedra, bls.....lb. .13 - .15
Ephedrine, tins, 100 ozs.....oz. 3.75 - —
Hydrochloride, tins, 100 ozs..oz. 2.75 - —
Sulphate, cryst., tins, 100 ozs.oz. 2.75 - —
Epsom salt, tecn., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l.....lb. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.35 - —
smaller lots.....lb. 2.60 - —
kgs., c.l.....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots.....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cs., dms.....lb. 1.25 - 1.30
Eserine, bots.....oz. 42.00 - —
Salicylate, bots.....oz. 33.00 -34.00
Sulphate, bots.....oz. 30.00 - —
Ether, acetic (see Ethyl acetate)
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l. w.orks.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld..lb. .06½- —
l.c.l., frt. alld.....lb. .07 - —
tanks, frt. alld.....lb. .05½- —
99 p.c., dms., c.l., frt. alld., lb. .07¼- —
l.c.l., frt. alld.....lb. .07¾- —
tanks, frt. alld.....lb. .06½- —
N. F., VI, 99%, dms., 400 lbs. lb. .68½- —
cns., 35 lbs.....lb. .13½- —
USP, VIII, 90%, dms., 400 lbs. lb. .07½- —
cns., 35 lbs.....lb. .12½- —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms.. works.....lb. .28 - —
Bromide, tecn., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .22 - .24
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, dms., works.....lb. 1.00 - 1.25
Formate, cns., dms.....lb. .27 - .28
Iodide, bots.....lb. 4.85 - 4.96
Lactate, 55-gal dms., works.lb. .33 - —
5-gal. dms., works.....lb. .36 - —
Oxalate, dms.....lb. .50 - .54
Silicate, l.c.l., dms.. works..lb. .77 - —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld. lb. .65 - —
100 lbs., frt. alld.....lb. .70 - —
smaller lots, works.....lb. .75 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0545- .05½
West of Rockies, same basis..lb. .0595- .06
l.c.l., dms., works, E. of Rockies, frt. alld..lb. .0644- .06½
West of Rockies, same basis..lb. .0694- .07
Ethyleneglycol, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - .20
tanks .....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - .22
tanks, works.....lb. .17 - —
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Monoethylether, acetate, dms., c.l., works..lb. .13 - —
l.c.l., dms.....lb. .14 - —
tanks, works.....lb. .12 - —
Monomethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .16 - —
Ethylidinanilin, dms.....lb. .45 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .06¼- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Ethylorthoparatoluenesulphonamide, bbls..lb. .35 - —
Ethylparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .58 - .60
Eucalyptus leaves, bls.....lb. .08 - .09
Eugenol, bgs., cns.....lb. 2.10 - 2.35
Euphorbia, bls.....lb. .05 - .06

F

Feldspar, enamel, 100 mesh, bulk, works..ton. 14.00 -15.00
glass, 20 mesh, bulk, works.ton. 11.00 -12.25
pottery, bulk, Me. works...ton. 17.00 -19.00
N.C. works.....ton. 17.00 -19.00
Fennel seed, French type, bgs., lb. .07½- .08
Indian, bags.....lb. .07½- .07¾
German, large, bgs.....lb. .18 - .19
small, bgs.....lb. .13 - .14
Fenugreek seed, bgs.....lb. .04 - .04½
Ferric sulphate, dms., works.ton. 35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, works.lb. .12½- —
smaller lots, works...lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13½- —
smaller lots, works.....lb. .14 - —
water white, cs., 1,000 lbs. or over, works.....lb. .15½- —
smaller lots, works...lb. .16 - —
Fir balsam, Canada, cns.....gal. 17.00 -18.00
Oregon, bbls.....gal. 1.35 - 1.40
Fish berries, bgs.....lb. .08 - .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.00 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton. 52.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor, acid, bulk, E. cst. factories, contracts..unit-ton. No prices.
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Apr. shipt..ton. 45.00 - —
spot or nearby.....ton. 45.00 - —
Flake white, bbls., kgs.....lb. .09½- —
Fleaseed, French, black, bgs..lb. .08 - .08½
Indian, blonde, bgs.....lb. .08 - .08½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, ton. 31.50 Nom.
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines..ton. 20.00 Nom.
No. 2, lump, 85.5 f..ob. Ky. and Ill. mines..ton. 22.00 Nom.
imported, 85% not over 5% duty paid..ton. 23.50 Nom.
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .13 - .14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton. 10.00 - —
import, bgs., c.l., ex dock..ton. 23.00 - —
l.c.l., ex whse.....ton. 30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs., works..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms. incl., dlvd., lb. .12½- .14
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09¼- .18
solid, dms.....lb. .17½- .19¼

G

G salt, bbls.....lb. .45 - .48
Galangal root, bls.....lb. .09 - .10
Gall extract, bbls.....lb. .19 - .20
Gambier, common, bgs.....lb. .06¾- .07¾
plantation, bgs.....lb. .08¼- .09¾
Cubes, Singapore, bgs.....lb. .10¾- .11
Extract, bbls.....lb. .06½- .09½
Gasoline at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .07 - .07¼
65 octane and above, tanks, gal. .07¼- .07¾
California, 54-58, tanks...gal. .07¼- .08¼
Gulf Coast, U. S. Motor, bulk, gal. .04¾- —
60-62, 390 e.p., bulk, export, gal. .04¾- —
60-62, 400 e.p., bulk, export, gal. .04¾- —
64-66, 375 e.p., bulk, export, gal. .04¾- .04⅞
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04¼- .04¼
63-66 octane, tanks.....gal. .04½- .04⅝
67-69 octane, tanks.....gal. .04⅞- .05
70-72 octane, tanks.....gal. .05½- .05⅝
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04½- .04¼
third grade, tanks.....gal. .04½- .04¼
63-68 octane, tanks.....gal. .04⅝- —
67-69 octane, tanks.....gal. .04⅝- —
70-72 octane, tanks.....gal. .04⅞- .05¼
natural, 12-lb. v. p., tanks, gal. .04¼- .04½
14-lb. v.p., tanks.....gal. .03⅝- —
18-lb. v.p., tanks.....gal. .03 - —
22-lb. v.p., tanks.....gal. .02¾- —
26-70 lb., v.p., tanks..gal. .02½- —
Pennsylvania, US motor, below 60 octane, tanks..gal. .04½- .05
60 octane, tanks.....gal. .06¼- .06⅝
62-54, 450 e.p., naphtha, tanks..gal. .04¾- .05
54-56, 400 e.p., strt., run, tanks..gal. .04⅝- .04¾
Gelatin, silver, cs.....lb. .45 - .50
Gelsemium root, bls.....lb. .11 - .12
Gentian root, bls. .....lb. .09¾- .10
grd., bbls., bxs.....lb. .12 - .13
powd., bbls., bxs.....lb. .14 - .15
Geraniol, cns., dms.....lb. .67 - 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs....lb. .08½- .09
Cochin, lemon, bgs.....lb. .11½- .12
Jamaica, bold, bgs.....lb. .16 - .16½
grinding, bright, bgs...lb. .13¾- .14
medium, bold, bgs.....lb. .14 - .14½
Japanese, bgs.....lb. .09½- .10
Ginseng fibers, cs.....lb. 1.75 - 3.00
Root, cultivated, cs....lb. 10.00 -11.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs. .....100 lbs. 1.05 - 1.25
Glue, bone, calcimine type, 24 millipoise, 35 jelly-grams, bgs., c.l., dlvd..lb. .13 - —
l.c.l., dlvd. .....lb. .13¼- —
36/56, bgs., c.l., dlvd....lb. .13¼- —
l.c.l., dlvd .....lb. .14 - —
58/82, bgs., c.l., dlvd.....lb. .14¼- —
l.c.l., dlvd. .....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd. .....lb. .15¼- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .13½- —
60/164,bgs.,c.l.,same basis.lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis..lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
83/251,bgs.,c.l.,same basis.lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283,bgs.,c.l.,same basis.lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis lb. .22 - —
l.c.l., same basis.....lb. .23 - —
125/379, bgs., c.l., same basis lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb
Glycerin, C.P., makers, cns., l.c.l. lb. .17¼- .18
dms., extra, c.l.....lb. .15½- —
l.c.l. .....lb. .16 - —

Disodium Phos.—Gum, Copal

Glycerin, dynamite, dms., extra, c.l...lb. .15½- —
l.c.l. .....lb. .16 - —
saponification, basis 88%, dms., returnable, dlvd..lb. .10¼- .11
soaplye, basis 80%, dms., returnable, dlvd..lb. .09½- .10
yellow, distilled, dms., extra, c.l. lb. .15¾- —
l.c.l. .....lb. .15¾- —
Glycol borborate, dms.....lb. .26 - —
Phthalate, dms. .....lb. .40 - —
Stearate, dms. .....lb. .27½- —
Gold, U.S. purchase price....oz. 35.00 - —
Chloride, acid brown, bots..oz. 20.75 -21.00
yellow, bots. .....oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 —
U.S.P. IX. bots. .....oz. 14.50 -14.75
Gold of pleasure seed, bgs..lb. .15½- .16
Golden seal root, bls.....lb. 3.60 - 3.65
powd., bxs. .....lb. 3.75 - 3.80
Grains of paradise, bgs.....lb. .25 - .27
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works .....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
l.c.l., works .....lb. .03¼- —
80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works .....lb. .04½- —
Grease, house, trcs.....lb. .03¾- .04½
White, trcs. .....lb. .05½ Nom.
Yellow, trcs. .....lb. .03¾- .04½
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23¼- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24¼- —
31-35%, bbls., same basis.lb. .25¼- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28¼- —
46-50%, bbls., same basis.lb. .30 - —
over 50%, bbls., same basis lb. .31 - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, C.P. color content up 5%, bbls., same basis, lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Chrome, oxide, dom., pure, bbl. ceramic, light shades, bbls., c.l., works..lb. .22 - —
l.c.l., works .....lb. .28 - —
standard grade, bbls. works..lb. .30 - —
Tetrahydroxide, bbls. .....lb. .21 - .22
Paris (see P)
Tungstated, brilliant, kgs....lb. .85 - —
emerald, kgs. .....lb. 3.75 - —
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08 - .09
Guaiac resin, cs.....lb. .27 - .28
strained, cs. .....lb. .90 - 1.00
Wood, bls. .....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs. .....lb. 1.05 - 1.10
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .10¼- .10⅝
white, sorts, 1, bgs.....lb. .27 - .28
2, bgs. .....lb. .25 - .26
powd., bbls. .....lb. .13½- .14
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.65
Sumatra, cs. .....lb. .18 - .20
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .45 - .48
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .44 - —
Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
2, cloudy, white, bgs., c.l., same basis..lb. .31¾- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .18¼- —
4, pale bold straw, bgs., c.l., same basis..lb. .19¼- —
5, pale straw bold, bgs., c.l., same basis..lb. .15¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .15¾- —
7, pale straw bold, bgs., c.l., same basis..lb. .13¾- —
lots..lb. .42 - —
8, light amber bold, bgs., c.l., same basis..lb. .12¾- —
9, medium light amber bold, bgs., c.l., same basis..lb. .10¼- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .10¼- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .08¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .07¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .06¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .19¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾- —

Gum Copal—Lime

Gum, copal, Congo, 17, pale fingers, bgs., c.l., same basis..lb. .15⅞- —
18, pale straw nubs, bgs., c.l., same basis..lb. .13⅝- —
19, pale straw nubs, bgs., c.l., same basis..lb. .12¼- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¾- —
21, ordinary selected nubs, c.l., same basis..lb. .07⅞- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06⅝- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .07⅝- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .15¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .07 - —
26, pale bold chips, bgs., c.l., same basis..lb. .06¼- —
27, pale small chips, bgs., c.l., same basis..lb. .05⅞- —
28, pale dust, bgs., c.l., same basis..lb. .05 - —
East India, Batu, bold scraped, bgs., c.l., same basis, lb. .05¼- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis, lb. .03⅝- —
dust, bgs., c.l., same basis..lb. .03⅞- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .12½- —
chips, bgs., c.l., same basis..lb. .05⅜- —
dust, bgs., c.l., same basis, lb. .03⅝- —
nubs, bgs., c.l., same basis..lb. .10⅜- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¼- —
chips, bgs., c.l., same basis, lb. .04¾- —
dust, bgs., c.l., same basis.lb. .03¾- —
nubs, bgs., c.l., same basis.lb. .10 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14 - —
light, bskts., c.l., same basis..lb. .13½- —
Loba A, bskts., c.l., same basis..lb. .12 - —
B, bskts., c.l., same basis.lb. .11⅝- —
C, bskts., c.l., same basis..lb. .10½- —
CNE, bskts., c.l., same basis..lb. .06⅞- —
D, bskts., c.l., same basis, lb. .09⅜- —
DK, bskts., c.l., same basis, lb. .06⅞- —
DU, bskts., c.l., same basis, lb. .08⅜- —
dust, bskts., c.l., same basis, lb. .06⅜- —
Sambas and white split chips, bskts., c.l., same basis..lb. .14⅜- —
Singapore, dust, bskts., c.l., same basis..lb. .06⅜- —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .08¾- —
DBB, bskts., c.l., same basis..lb. .08¾- —
MA, bskts., c.l., same basis, lb. .06⅜- —
MB, bskts., c.l., same basis, lb. .06 - —
WS, bskts., c.l., same basis, lb. .08⅜- —
Philippine Manila, amber sorts, bskts., c.l., same basis, lb. .07¼- —
chips, pale, bskts., c.l., same basis..lb. .08⅞- —
small, bskts., c.l., same basis..lb. .07¼- —
extra pale sorts, bskts., c.l., same basis..lb. .09½- —
nubs, bskts., c.l., same basis..lb. .11⅜- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .06½- —
Pontianak, bold, genuine, bgs., same basis..lb. .16½- —
mixed, bgs., c.l., same basis..lb. .14 - —
chips, bgs., c.l., same basis, lb. .10¼- —
split, bgs., c.l., same basis, lb. .13⅞- —
nubs, bgs., c.l., same basis.lb. .12⅜- —
Dammar, Batavia A, cs., c.l., same basis as copal..lb. .23¼- —
A/D, cs., c.l., same basis.lb. .17¾- —
A/E, cs., c.l., same basis.lb. .15 - —
B, cs., c.l., same basis...lb. .21¾- —
C, cs., c.l., same basis...lb. .18⅞- —
D, cs., c.l., same basis....lb. .16 - —
dust, cs., c.l., same basis.lb. .06¾- —
E, cs., c.l., same basis....lb. .08½- —
F, cs., c.l., same basis...lb. .07¼- —
Singapore, 1 cs., c.l., same basis..lb. .19¼- —
2, cs., c.l., same basis....lb. .13⅝- —
3, cs., c.l., same basis....lb. .05¾- —
chips, cs., c.l., same basis.lb. .12⅜- —
dust, cs., c.l., same basis.lb. .05½- —
seeds, cs., c.l., same basis.lb. .08⅝- —
Elemi, cns., c.l., same basis as copal..lb. .09⅜- —
Ester, dms., dlvd., New England, N. J. eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .07¼- .07¾
less than 10,000 lbs., same basis..lb. .07½- .08
dlvd., western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l., lb. .07¾- .08¼
l.c.l., same basis.....lb. .08 - .08½
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l. lb. .08 - .08½
l.c.l., same basis.....lb. .08¼- .08¾
Eunhorbium, cs.....lb. .17 - .18
Gelbanum, cs.....lb. .95 - 1.00
Gamboge pipe, cs.....lb. .70 - .75
powd., bbls.....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14½- .38
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis....lb. .24 - —
B2, cs., c.l., same basis.lb. .24 - —
B3, cs., c.l., same basis..lb. .19¼- —
pcs. chips, cs., c.l., same basis..lb. .12½- —
Gum, kauri, pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins.....lb. 2.50 - 2.75
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .35 - .36
Olibanum, siftings, bls.....lb. .07½- .18
tears, cs.....lb. .13 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .25 - .26
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs.....lb. .10½- .11
Talha, bgs.....lb. .07¼- .08
Thus, bbls.....250 lbs. 13.50 -14.00
Tragacanth, Aleppo 1, cs....lb. 2.75 - 3.00
2, cs.....lb. 2.40 - 2.45
3, cs.....lb. 2.35 - 2.40
4, cs.....lb. 2.30 - 2.35
5, cs.....lb. 2.25 - 2.30
Flake, bgs.....lb. .50 - 1.00
Yucca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald, ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls.lb. .12 - .13
Helonias root, bls.....lb. .60 - .65
Hematine crystals, bbls.....lb. .18 - .28
Hemlock extract, 25% tan..bbls.lb. .03 - .04
Hempseed, Manchur., bgs.....lb. .05¾- .06
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .07½- .08
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08¼- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .30 - —
Hexane (normal primary C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs. or more, shipments, same basis, lb. .46 - —
100 to 400 lbs., shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 3.00 - —
Hops, N. F., bls.....lb. .17 - .27
Horehound, bls.....lb. .12 - .15
Hydrangea root, bls.....lb. .12 - .13
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs....oz.17.25 - —
cns., 16 oz.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz.....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. R.lb. .19½- .20
W. of Miss. R.....lb. .21 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs.....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- 85
Indol, CP, bots.....lb. 32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.15 - —
kgs 150 lbs.....lb. .90 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals.....gal. 1.65 - —
mild, bbls., 47 gals.....gal. .80 - —
cbys., 5 gals.....gal. .90 - —
Iodoform, dms., 100 lbs.....lb. 3.75 - —
jars, 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.05
Ipecac root, bgs.....lb. 1.20 - 1.25
powd., bxs.....lb. 1.30 - 1.35
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .18 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhyd., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equld..lb. .05 - .06
kegs, works, frt. alld. or equld..lb. .07½- .08
liquor, cbys., works, frt. alld. or equld..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
USP solut., cbys., works, frt. alld. or equld..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .38
bots.....lb. .52 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
USP, cryst., bbls., 275 lbs. lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .06¼- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .06¼- —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l.....lb. .08 - —
tanks.....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .12 - .13
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .04 - .04½

K

Kamala, tins.....lb. .32 - .33
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks.gal. .05¾- —
Gulf ports, p.w., bulk, export, gal. .04½- —
w.w., bulk..gal. .04¾- —
Louisiana-Arkansas, 41-43 w.w., bulk..gal. .04½- .04¾
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¾
42-44 w.w., tanks.....gal. .04½- .04½
Pennsylvania, 45 w.w., tanks, gal. .05½- .05¼
46 w.w., tanks.....gal. .05¼- .05¾
47 w.w., tanks.....gal. .05¾- .05½
Kerosene, tankwagon:—
Atlanta.....gal. .14 - —
Boston.....gal. .08½- —
Chicago.....gal. .102 - —
Cincinnati.....gal. .13 - —
Denver.....gal. .11½- —
Louisville.....gal. .10½- —
Minneapolis.....gal. .106 - —
New Orleans.....gal. .12 - —
New York.....gal. .08¾- —
San Francisco.....gal. .11¼- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07½- .08

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city tubs.....100 lbs. 8.75 - 9.00
Middlewestern, trcs....100 lbs. 8.65 - 8.75
Neutral, trcs.....100 lbs. 9.75 -10.00
Western, choice, trcs..100 lbs. 8.75 - 8.85
Compound, trcs.....100 lbs. 10.25 -10.50
Larkspur seed, bgs.....lb. .30 - .33
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .04½- .05
Lavender flowers, ordinary, bls.lb. .35 - .40
select, bls.....lb. .50 - .55
Lead acetate, white, broken, bbls..lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate bgs. dealers E. of Rockies..lb. .12½- —
W. of Rockies.....lb. .12½- —
l.c.l., bgs., dealers, E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .12¾- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups
Lead, blue, basic sulphate, bbls., c.l., dlvd., E...lb. .05¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06 - —
l.c.l., dlvd., E.....lb. .06 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.52 - —
jars.....lb. 2.40 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .18 - —
5 lb. cont., f.o.b. works..lb. .21 - —
Nitrate, bbls.....lb. .10¼- —
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0725- —
other points.....lb. .0700- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .08¼- —
Colo., Mont., N. Mex., Wyo.....lb. .08 - —
other points.....lb. .07½- —
smaller lots, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0750- —
other points....lb. .0725- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08 - —
Ariz., etc.....lb. .08½- —
Colo., etc.....lb. .08¼- —
other points.....lb. .07¾- —
smaller lots dlvd., Ala., etc..lb. .08½- —
Ariz.....lb. .09 - —
Colo.....lb. .08¾- —
other points.....lb. .08¼- —
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .0775- —
other points.....lb. .0750- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
in oil, 100-lb. kgs., consumers, lb. .11¼- —
dealers.....lb. .09¼- —
painters.....lb. .10¼- —
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .16 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.50 - —
California, northern..ton.11.80 - —
southern.....ton.11.45 - —
Cedar Hollow, Pa...ton. 8.00 - —
Chicago.....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio.....ton. 6.50 - —
Eagle Mountain, Va.ton. 6.25 - —
Easton, La.....ton. 7.00 - —
Farnams, Mass.....ton. 7.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 7.00 - —
Leroy, Minn.....ton. 8.00 - —
Limedale, Ark.....ton. —
Longview, Ala.....ton. 6.25 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Potoskey, Mich.....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va.....ton. 6.25 - —
Riverton, Va.....ton. 6.25 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
Lime, hydrated, paper bgs., f.o.b. Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo.....ton.10.00 - —
California, northern.ton.15.30 - —
southern.....ton.13.95 - —
Cedar Hollow, Pa....ton. 8.50 - —
Chicago.....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio.....ton. 8.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Easton, La.....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —

Lime, hydrated, paper bgs., f.o.b.
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind.....ton.12.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Pelham, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 8.00 - —
Riverton, Va.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b., Bellefonte, Pa.....ton. 9.00 - —
Durbin, Ohio .....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonberg, Ohio.....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Mitchell, Ind. .....ton. 9.00 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —

Lime salts (see Calcium)

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10¼- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer, gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, divd., gal. .11¼- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., c.l. and l.c.l....gal. .13 - .14
Zone 5, tanks, dealers, divd., gal. .10½- —
c.l. and l.c.l.....gal. .13 - .14
Zone 6, tanks, dealers....gal. .07¼- —
30-50 dms.....gal. .09 - .13

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns.....lb. 2.10 - 6.30
Linalyl acetate, cns., 25 lbs...lb. 1.70 - 6.30
Linden flowers, with leaves, bls.lb. .19 - .20
without leaves, bls.....lb. .16 - .17
Linseed cake, bgs., export....ton.29.00 - —
Meal, 32%, dom., bgs.....ton.39.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0625- —
dlvd., other points...lb. .0600- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .06¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07¼- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points.....lb. .06½- —
smaller lots, dlvd. Ala., etc. lb. .07¼- —
Ariz., etc. .....lb. .07¾- —
Colo., etc. .....lb. .07½- —
other points .....lb. .07 - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb jars.....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., 20 tons, dlvd. E or ex whse, Pac Cst.....lb. .05¾- —
smaller lots, same basis.lb. .06½- —
bbls., 20 tons, same basis, lb. .06¼- —
smaller lots, same basis.lb, .06¾- —
ordinary, bgs., 20 tons, same basis..lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .05¾- —
smaller lots, same basis.lb. .06½- —
bbls., 20 tons, same basis, lb. .06¼- —
smaller lots, same basis.lb. .06¾- —
Liverwort leaves, bls.....lb. .18 - .20
Lobelia herb, bls.....lb. .13 - .14
Seed, bgs. .....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .24
liquid, 51°, bbls.....lb. .09½- .11½
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .65
import, bls. .....lb. .35 - .37
Lupulin, N.E., tins.....lb. 1.50 - 1.75
Lycopodium, cs.....lb. 1.15 - 1.20

M

Mace, Banda, cs.....lb. .54 - .54½
Batavia, cs. .....lb. .47 - .48
Siauw, 1. cs.....lb. .49 - .50
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia arsenate, cyl.....lb. .18 - .20
Calcined, tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila. .....lb. .25 - .30
1-lb. pkgs., same basis.lb. .35 - .40
light, bbls., same basis..lb. .20 - .25
1-lb. tins, same basis..lb. .30 - .35
Magnesia, calc., USP, heavy, bbls., same basis..lb. .25 - .30
1-lb. pkgs., same basis.lb. .35 - .40
special, bbls., same basis, lb. .22 - .27
Standard light, bbls., same basis..lb. .20 - .25
1-lb. tins, same basis...lb. .30 - .35
import, heavy, pharm., bbls., lb. .50 - —
light, extra, bbls.....lb. .36 - .40
standard, bbls.....lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
USP, Zone 1, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c,l.....lb. .09¾- —
l.c.l. .....lb. .10½- —

Magnesia carbonate:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld., including divd. store-door.

Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls .....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.95
Silicate (see Talc).
Silicofluoride, bbls. .....lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
c.l...lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
Magnesite, cal., import, bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b, Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 300 lbs..lb. .29 - —
dms., 24 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .34 - —
Malva flowers, black, bls.....lb. .45 - .47
blue, bls. .....lb. .45 - .50
Leaves, bls. .....lb. .11 - .12
Manaca root, bls. .....lb. .20 - .21
Mandrake root, bls.....lb. .20 - .21
Manganese acetate, dms. .....lb. .26¼- —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls. .....lb. .15 - .16
Carbonate, bbls .....lb. .19 - —
Chloride, bbls. .....lb. .07¼- .07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works..ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.50 - —
l.c.l., 5 tons, works..ton.67.50 - —
smaller lots, works.ton.72.50 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works.ton.65.50 - —
84-87% bgs., 28-40 tons, wks. ton.57.00 - —
5-15 tons, wks.....ton.60.00 - —
½-4 tons, wks.....ton.65.00 - —
300-600 lbs., wks.....ton.75.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots.....lb. 2.61 - —
smaller lots .....lb. 2.71 - —
cns., 25 lbs .....lb. 2.85 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.25 - —
jars, 25 lbs .....lb. 5.10 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52%, basis, bbls., c.l., Atl. ports..unit-ton. .45 - .47
Resinate, fused, 3½%, bbls.lb. .08¼- .08½
precip., dms. .....lb. .12 - —
Sulphate, anhyd., bbls., works. lb. .07 - .07¼
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 - —
l.c.l., bgs. .....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shpt..ton.25.60 - —
Manna flake, large, cs.....lb. .40 - .41
small, cs. .....lb. .22 - .23
Mannitol, pure, cryst., cs., works, lb. 1.40 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .16½- .17
Tunisan, bls. .....lb. .16 - .16½
Matico leaves, bls.....lb. .25 - .26
Menthol, USP, natural, cs....lb. 3.00 - 3.10
synthetic, tech., cs.....lb. 2.25 - —
USP, cs. .....lb. 3.00 - —
liquid, dms., 40 lbs.....lb. 1.00 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots .....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. .77 - —
25 lbs.....lb. .79 - —
50%, pails, 50 lbs.....lb. 1.11 - —
25 lbs.....lb. 1.13 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs.....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red, N. F., bots., 5 lbs., lb. 3.56 - —
cns., 25 lbs.....lb. 3.45 - —
fib., dms., 100 lbs.....lb. 3.45 - —
Mercury, iodide, yellow, bots., 5 lbs..lb. 3.66 - —
cns., 25 lbs.....lb. 3.55 - —
fib., dms., 100 lbs.....lb. 3.55 - —
Nitrate ointment (see Citrine ointment).
Oxide red, N.F. (see Red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech.. bbl....lb. 1.12 - —
USP, fib dms., 50 lbs. or more..lb. 1.64 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½- —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5¼x5¼ in..pkg. 1.70 - 1.80
Gold, XX deep, 23K. 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in. .....pkg.16.15 -17.50
4x4 in. .....pkg.19.50 -20.00
3⅜x5 1/16 in. .....pkg.22.50 -23.00
3⅜x5 1/16 in. .....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroanilin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenedaimine, kgs.....lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies..gal. .34 - —
tanks, frt. alld., E. of Rockies..gal. .28 - —
Methanol, denat., grade, prices on Pacific Coast are 4c. per gal. higher.
pure, nat'l or synth., dms., c.l., Zone 1, frt. all..gal. .38 - —
2, frt. alld. .....gal. .41 - —
3, frt. alld. .....gal. .42 - —
4, frt. alld. .....gal. .44 - —
l.c.l., Zone 1, frt. alld. or divd..gal. .40½- —
2, frt. alld. or divd..gal. .47 - —
3, frt. alld. or divd..gal. .44½- —
4, frt. alld. or divd..gal. .60 - —
tanks, Zone 1, frt. alld.gal. .33 - —
2, frt. allid. .....gal. .35½- —
3, frt. allid. .....gal. .36½- —
4, frt. allid. .....gal. .37 - —
95%, 2c. less than pure, all zones, frt. allid. divd.
97%, 1c. less than pure, all zones, frt allid.

Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
l.c.l., dms., divd. E. of Miss. R..lb. .08½- —
W. of Miss. R.....lb. .09½- —
tanks, divd. E. of Miss. R. lb. .07 - —
W. of Miss. R.....lb. .08 - —
tech, dms., c.l., divd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
l.c.l., dms., divd. E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
tanks, divd. E. of Miss. R. lb. .06½- —
W. of Miss. R.....lb. .07½- —
Acetoacetate, dms., c.l., works, frt. allid..lb. .29½- —
Methyl acetone, nat., dms., c.l., contracts, Zone 1..gal. .31½- —
2 .....gal. .34½- —
3 .....gal. .35½- —
4 .....gal. .37½- —
tanks, contracts, Zone 1.gal. .26½- —
2 .....gal. .29 - —
3 .....gal. .30 - —
4 .....gal. .30½- —

Methyl acetone, natural, prices are quoted for direct shipment from refinery, f.o.b. shipping point, freight allowed to destination; barrel packing. 2½c. per gal. more in all brackets. The sale zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn, R. I., Tenn., Vt., Va., W. Va., Wis., Ala., Ark., Ga., Kans., La., Miss., Neb., N. D., S. C., S. D.; Zone 2, Col., Fla., Okla., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal; Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Acetone, synthetic, dms., c.l., Zone 1, frt. allid. E. of Rockies..gal. .42 - —
2, frt. allid. E. of Rockies, gal. .45 - —
3, Pacific Coast.....gal. .46 - —
l.c.l., Zone 1, frt. allid. E. of Rockies..gal. .44½- —
2, frt., allid. E. of Rockies..gal. .51 - —
3, Pacific Coast.....gal. .48½- —
tanks, Zone 1, frt. allid. E. of Rockies.....gal. .36 - —
2, ft. allid. E. of Rockies, gal. .38¼- —
3, Pacific Coast.....gal. .39½- —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast

Alcohol (see Methanol).
Anthranilate, bots. .....lb. 2.10 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Bromide, cyl. .....lb. .60 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers...lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bots.....lb. 2.45 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots.....lb. 3.68 - 3.83
Salicylate, dms.....lb. .40 - .43
cns. .....lb. .42 - .45
Violet toner, bbls.....lb. .28 - —
permanent, bbls. .....lb. .30 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene blue, medci., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs. .....lb. 2.35 - —
Chloride, dms., f.o.b. works.lb, .18 - .23
Methylheptenone, bots. .....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp, bots. .....lb. 3.10 - —
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l. same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l. same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —

Lime—Nitrocellulose

Mica, dry-grd., plastic, No. 100, 40 mesh, bgs., c.l., works.ton.35.00 - —
l.c.l. works.....ton.43.75 - —
second grade, bgs., c.l., works..ton.33.00 - —
l.c.l., works.....ton.41.25 - —
250, 100 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l., works.....ton.50.00 -60.00
second grade, bgs., c.l., works..ton.28.90 -30.00
l.c.l., works.....ton.29.90 -47.50
300, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-ground, paint or lacquer, bgs., c.l., divd. E..lb. .04¼- —
l.c.l., 1,000 lbs., divd. E..lb. .04¾- —
smaller lots, divd. E..lb. .05¼- —
paper, wall or coated bgs., c.l., frt. allid., E..lb. .04½- —
l.c.l., 1,000 lbs., frt. all., E..lb. .04¾- —
smaller lots, frt. allid., E..lb. .05½- —
rubber, bgs., c.l., frt. allid. E. lb. .04 - —
l.c.l., 1,000 lbs., ft., allid., E..lb. .04½- —
smaller lots, frt. allid., E..lb. .05 - —
wet-ground mica prices are ½c. per pound higher on Pacific Coast

Milk powder, skimmed, roller, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
spray, bbls., c.l.....lb. .09 - —
l.c.l. .....lb. .10 - —
unskimmed, roller, bbls., c.l..lb. .20 - —
l.c.l. .....lb. .20¼- —
spray, bbls., c.l.....lb. .20 - —
l.c.l. .....lb. .20¼- —
Millet seed, yellow, bgs.....lb. .02¾- .04
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P, naphtha).
Molasses, blackstrap, tanks..gal. .07 - —
New Orleans.....gal. .06½- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monobutylamine dms., l.c.l., works..lb. .65 - —
Monochlorobenzene, dms.....lb. .06 - .06½
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l. works..lb. .75 - —
smaller containers, works.....lb. 1.00 - —
Mullein flowers, cns.....lb. .80 - .85
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs., or more..lb. 3.25 - —
5 lbs. to 75 lbs.....lb. 3.50 - —
1 lb.....lb. 3.65 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs.....lb. 3.65 - —
1 lb.....lb. 3.80 - —
Musk, synth., xylol, cns., 100 lbs. or more..lb. 1.00 - —
5 lbs. to 75 lbs.....lb. 1.10 - —
1 lb.....lb. 1.25 - —
Musk root, bls.....lb. .12 - .13
Mustard seed, Bombay, brown, bgs..lb. .06 - .06½
California, brown, bgs.....lb. .07½- .07¾
yellow, bgs.....lb. No stocks.
Chinese, yellow, bgs.....lb. .05¾- .06¼
Danish, yellow, bgs.....lb. .07½- .08
Dutch, yellow, bgs.....lb. .07¾- .08
English, yellow, bgs.....lb. .08½- .09
Hungarian, yellow, bgs....lb. .07¾- .08½
Roumanian, yellow, bgs....lb. .05¾- .06¼
Myrobalans, J1, bgs., shipt...ton.30.00 - —
J2, bgs., shipt.....ton.20.50 - —
R2, bgs., shipt.....ton.20.50 - —
Extract, liquid, 25%, bbls....lb. .03¾- .05½
solid, 50% bbls.....lb. .04¾- —
powdered, 70% bbls.....lb. .05¾- —

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S),
Naphthalene, crude, dom., 74 deg., bgs., bbls., wks.... 100 lbs. 2.35 - 2.85
78 deb., bgs., bbls., works.. 100 lbs. 2.75 - 3.35
Naphthalene, crude, import, bgs., Atl. ports..100 lbs. 1.90 - 2.15
Naphthalene, refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .06¾- —
50-lb. cs., same basis..lb. .07 - —
pkgs. (16 oz.), same basis, lb. .07½- —
(12 oz.) same basis..pkg. .06 - —
chipped, crushed, bbls., same basis..lb. .06½- —
rice, cryst., powd., bbls., same basis..lb. .06¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls .....lb. .36 - .37½
Chloride, bbls. .....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. allid.lb. .70 - —
10-lb, tins .....lb. .85½- —
Nitersake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07¼- —
Nitrocellulose, alcohol-soluble, ¼, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
lacquer, 20-30 and 60-80 sec. vis., bbls., works..lb. .29 - —

Nitrocellulose—Oil, Lub.

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports	unit-ton	1.04	—
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd	unit-ton	2.25	Nom.
Chemical, Ill.	unit-ton	2.40	Nom.
East Coast producing points	unit-ton	2.60	Nom.
import, bgs., c.i.f. Atlantic ports, shipt.	unit-ton	2.40	—
Nitronaphthalene, bbls.	lb.	.24	.25
Nitrotoluene, mixed, dms.	lb.	.10½	.11
Nutgalls, Aleppo, bgs., cs.	lb.	No prices	
Chinese, shipt., cs.	lb.	No prices	
Extract (see Gall extract).			
Nutmegs, 80s, bgs., cs.	lb.	.49	.50
110s, bgs., cs.	lb.	.19	.19½
West Indian, bgs.	lb.	.11¼	.11½
Nux vomica, bls.	lb.	.03¾	.04
powd., bbls., bxs.	lb.	.06	.07

O

Oakbark extract, 25% tan., bbls., c.l., works.	lb.	.03¼	—
l.c.l., bbls., works.	lb.	.03¼	—
Ocher (see Yellow).			
Octanes, 100-140° C., mixed, dms., c.l., G.3.	gal.	.12½	—
l.c.l., G.3.	gal.	.17	—
tanks, G.3.	gal.	.10½	—
Octyl acetate, dms., c.l., works.	lb.	.16	—
l.c.l., works.	lb.	.17	—
tanks, works.	lb.	.15	—
Oil, almond, bitter, artif. (see Benzaldehyde).			
natural, bots.	lb.	2.00	2.50
s.p.a., bots.	lb.	2.05	2.75
sweet, true, exp., cns.	lb.	.65	.68
Amber, crude, cns.	lb.	.16	.17
ref'd, cns.	lb.	.50	.51
Amyris, cns.	lb.	3.00	3.25
Angelica root, bots.	lb.	61.25	100.00
seed, bots.	lb.	70.00	80.00
Anilin (see A).			
Anise, USP, cns., dms.	lb.	1.00	1.05
Apricot kernel, cns.	lb.	.28	.32
Babassu, tanks	lb.	.06½	Nom.
Bay, W. I., cns.	lb.	1.35	1.50
Bergamot, artif., cns.	lb.	1.25	1.30
natural, coppers	lb.	3.90	—
Betula (see Oil, sweet birch).			
Birch (see Oil, sweet birch).			
Birch tar, crude, dms.	lb.	.14	.17
rectif'd, cns.	lb.	.65	.70
Bois de rose, Brazil, cns.	lb.	1.55	1.60
Cayenne, cns.	lb.	1.50	1.75
Cade, USP IX (see Oil, juniper tar).			
Cajeput, tech., dms.	lb.	.55	.60
USP IX, cns.	lb.	.66	.69
Calamus, cns.	lb.	3.75	4.00
Camphor, sassafrassy, cns.	lb.	.20	.21
dms.	lb.	.17	.18
white, cns.	lb.	.20	.21
dms.	lb.	.17	.18
Canaanga, native, cns.	lb.	1.40	1.45
rectified, cns.	lb.	2.00	2.05
Capsicum (oleoresin), USP X, cns.	lb.	1.90	2.00
Caraway, USP, cns.	lb.	1.90	2.00
Cardamom, bots.	lb.	15.00	33.00
Cassia, USP, cns., dms.	lb.	1.05	1.10
Castor, blown, one-way dms., c.l.	lb.	.11¼	—
l.c.l.	lb.	.12	—
medicinal, bbls., c.l.	lb.	.09¾	—
l.c.l.	lb.	.10½	—
cns. (1-gal.), l.c.l.	lb.	.13½	—
dms. (returnable), c.l.	lb.	.09½	—
l.c.l.	lb.	.10¼	—
(5-gal.), l.c.l.	lb.	.11½	—
tanks	lb.	.09	—
Oil, castor, No. 3, bbls, c.l.	lb.	.09¼	—
l.c.l.	lb.	.10	—
dms. (returnable), c.l.	lb.	.09	—
l.c.l.	lb.	.09¾	—
tanks	lb.	.08½	—
Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.			
sulphonated, 50%, (48% fat), dms., c.l.	lb.	.06½	.06¾
l.c.l.	lb.	.07¼	.08¾
75% (63% fat), dms., c.l.	lb.	.09	.09¼
l.c.l.	lb.	.10	.10½
80% (68% fat), dms., c.l.	lb.	.09½	.10¼
l.c.l.	lb.	.10½	.11
Cedarleaf, cns.	lb.	.75	.80
dms.	lb.	.72	.77
Cedarwood, Oregon, cns., dms.	lb.	.28	.80
Southern, cns., dms.	lb.	.20	.23
Celery, bots.	lb.	8.75	12.50
Chaulmoogra, USP, cns., 500 lbs.	lb.	.90	—
25 lbs.	lb.	1.00	—
Chinawood, dms.	lb.	.13	Nom.
tanks	lb.	.12	—
Cinnamon, Ceylon, bots.	lb.	8.00	22.00
Seychelle, bots.	lb.	6.50	7.50
Citronella, Ceylon, cns.	lb.	.35	.35½
dms.	lb.	.33½	.34
Java, dms.	lb.	.40	.42
Clove, makers, USP, cns.	lb.	1.02	—
dms.	lb.	1.00	—
Coconut, Manila, crude tanks.	lb.	.03½	—
Pac. Cst.	lb.	.03½	—
edible, 76°, tax incl., dms., (returnable), c.l.	lb.	.09¼	—
l.c.l.	lb.	.09½	—
tanks	lb.	.08½	—
Cod, Newfoundland, tanked, bbls.	gal.	.50	Nom.
Norwegian, shipt., bbls.	gal.	.29	.32
Oil, cod-liver, med., U.S.P., Norwegian, bbls.	bbl.	26.00	27.00
Coriander, bots.	lb.	16.00	19.75
Corn, crude, tanks, works	lb.	.07½	.07¼
refd., bbls.	lb.	.09½	.09¾
Cottonseed, dom., cooking, bbls., lb.		.09½	—
salad, bbls.	lb.	.09¾	—
import., Brazilian, semi-refd., dms.	lb.	.0460	—
British, semi-refd. dms.	lb.	.0475	—
Creosote (see C).			
Croton, USP, cns.	lb.	1.30	1.35
Cubeb, USP, cns.	lb.	2.75	3.00
Crude (see Petroleum, crude).			
Cumin, bots.	lb.	6.75	7.00
Cypress, dom., bots.	lb.	5.25	5.30
import., cns.	lb.	12.00	12.25
Degras (see D).			
Diesel, Bayonne, bulk	bbl.	1.85	—
California, 24 plus, bulk.	bbl.	1.45	1.70
Dill seed, bots.	lb.	3.00	3.25
weed, bots.	lb.	3.85	4.10
Dip (see D).			
Erigeron, cns.	lb.	2.40	2.50
Eucalyptus, cns.	lb.	.41	.43
dms.	lb.	.39	.41
Fennel, sweet, cns.	lb.	1.20	1.30
Fuel, bunker, California, tidewater.	bbl.	.90	1.00
Gulf Coast.	bbl.	.85	.90
Louisiana, Arkansas, 10-14, bbl.		.95	1.00
N.Y. and N.J. terminals:—			
Monday	bbl.	1.05	—
Tuesday	bbl.	1.05	—
Wednesday	bbl.	1.05	—
Thursday	bbl.	1.05	—
Friday	bbl.	1.05	—
Saturday	bbl.	1.05	—
North Texas, 18-22.	bbl.	.80	.85
24-28, zero cold test.	bbl.	1.10	1.15
Oklahoma, 18-22.	bbl.	.85	.90
24-28, zero cold test.	bbl.	1.07½	1.12½
24-28, 15 and above.	bbl.	.90	.95
Pennsylvania, 36-40.	gal.	.04¾	.04¼
Furnace, Bayonne, 1, bulk, refinery	gal.	.06	—
2, bulk, same basis	gal.	.04½	—
4, bulk, same basis	gal.	.04¾	—
Louisiana - Arkansas, 32 - 36, light straw	gal.	.03¾	.04
Oklahoma, 28-30.	gal.	.03¼	.03½
32-36	gal.	.03½	.03¾
36-38	gal.	.03⅝	.03⅞
38-40, straw.	gal.	.03¾	.04
38-40 zero, 60 e.p.	gal.	.03¾	.04
Fusel (see F).			
Gas, Bayonne, bulk.	gal.	.04¾	—
Gulf Coast, bulk.	gal.	.04½	.04¼
North Texas, bulk.	gal.	.02⅞	.03
Oklahoma, bulk.	gal.	.02⅞	.03
Gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, rose, cns.	lb.	3.50	4.50
Bourbon, cns.	lb.	3.20	3.80
Turkish (see Palmarosa).			
Grapefruit, cns.	lb.	2.15	2.20
Ginger, dist., bots.	lb.	7.75	8.00
Guaiac wood, concrete, bots.	lb.	2.75	3.10
Haarlem, import., bots.	gross	3.25	3.35
Halibut-liver, dms.	1,000 A unit gal.	.75	1.00
Hemlock, cns.	lb.	1.05	1.10
Juniper berry, USP, cns.	lb.	1.10	1.30
Wood, tech., cns.	lb.	.45	—
Juniper tar, USP XI, 1,000 lb. dms.	lb.	.40	.45
cns.	lb.	.45	.50
Lard, common, 1, bbls.	lb.	.08¾	—
2, bbls.	lb.	.08½	—
extra, bbls.	lb.	.09½	—
1, bbls.	lb.	.09¼	—
winter, strained, extra, bbls., lb.		.09¾	—
prime burning, bbls.	lb.	.10¾	—
prime, ed., bbls.	lb.	.12	—
ined., bbls.	lb.	.10¼	—
Laurel, bots.	lb.	6.25	6.50
Lavandin, cns., 25 lbs.	lb.	2.25	—
Lavender flower, French, 50% ester, cns.	lb.	5.00	5.25
38-42% ester, cns.	lb.	3.75	4.25
35-38% ester, cns.	lb.	3.00	3.25
30-32% ester, cns.	lb.	2.25	2.30
garden, cns.	lb.	.42	.45
spike, Spanish, tech., cns.	lb.	1.05	1.10
dms.	lb.	.95	1.10
Lemon, Calif., cns.	lb.	2.50	—
Messina, coppers, cns.	lb.	3.20	3.90
Lemongrass, native, cns., dms., lb.		.38	.40
Lime, dist., cns.	lb.	4.75	5.50
expressed, cns.	lb.	8.00	9.50
Linaloe wood, cns.	lb.	1.25	1.30
Linseed, boiled, bbls., c.l.	lb.	.0990	.1010
l.c.l., 5 or more	lb.	.1030	.1050
less than 5	lb.	.1070	.1090
tanks	lb.	.0930	.0950
double boiled, bbls., less than 5 lbs.	lb.	.1090	.1110
raw, bbls., c.l.	lb.	.0950	.0970
l.c.l., 5 or more	lb.	.0990	.1010
less than 5	lb.	.1030	.1050
tanks	lb.	.0890	.0910
Lovage, oots.	lb.	41.25	60.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—			
California, green, 70, 80, 100, vis., dms.	gal.	.20	—
140 vis., dms.	gal.	.25	—
green, pale, 750, 900 vis., dms.	gal.	.26	—
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms.	gal.	.26	—
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks.	gal.	.18½	—
15-25 pour, tanks.	gal.	.17½	—
150-160 D, color 4½, 0-10 pour, tanks.	gal.	.20	—
15-25 pour, tanks.	gal.	.19	—
150-160 E, color 5½, 15-25 pour, tanks.	gal.	.18½	—
190-200 D, color 4¼, 15-25 pour, tanks.	gal.	.23	—
200-210 E, 15-25 pour, tanks.	gal.	.22	—
neutrals, 0-10 pour, 150 vis., 3 color, tanks.	gal.	.13	—
180 vis., 3 color, tanks, gal.		.14	—
4 color, tanks.	gal.	.13½	—
200 vis., 3 color, tanks, gal.		.14½	—
4 color, tanks.	gal.	.14	—
250 vis., 3 color, tanks, gal.		.15½	—
4 color, tanks.	gal.	.15	—
280 vis., 3 color, tanks, gal.		.16½	—
4 color, tanks.	gal.	.16	—
300 vis., 3½ color, tanks.	gal.	.17	—
350 vis., same basis.	gal.	.17½	—
400 vis., same basis.	gal.	.18	—
500 vis., same basis.	gal.	.18½	—
600 vis., same basis.	gal.	.19	—
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.			
Penn., bright, 600 cold test, 10-15 pour, tanks.	gal.	.19	—
10-40 pour, tanks.	gal.	.18½	—
cylinder, 600 fire, tanks, gal.		.12½	—
600 flash, tanks.	gal.	.15	—
630 flash, tanks.	gal.	.19	—
635 fire, tanks.	gal.	.13½	—
650 fire, tanks.	gal.	.14½	—
Warren, E, amber, tanks, gal.		.17	—

Close Boiling Ranges

One of Skellysolve's 5 Advantages As A Lacquer Diluent

by **A. ERNEST MACGEE**

Manager Skellysolve Division, Skelly Oil Company

WE'VE spent a lot of time studying the problems of our friends in the paint, varnish and lacquer industry, to be sure that the solvents we offered fitted your exact needs. One problem we worked on concerned boiling ranges. You need them *close,* so we've given you some as low as 15° F. from initial to dry flask end point. You need them *constant,* in storage and in formulas, so we've reduced the tendency to fractionate to a minimum. You'll find Skellysolve's close and constant boiling ranges give it a big advantage as a lacquer diluent.

Skellysolve offers you other important advantages, too. *No greasy residues,* for example. Drying is complete and rapid, with minimum gum formation. *Low evaporation losses,* that saves you money, reduces fire hazard and tendency to blush. *Constant uniformity* shipment after shipment, that saves you the cost and trouble of changing formulas. And *uninterrupted supply*—that assures you of ample, on-time deliveries of close-cut fractions for years to come. And that's important as we've learned when we've rushed shipments to people whose solvents source has shut down.

As you know, Skelly pioneered in the solvent naphtha field, developed dependable, uniform, special naphthas for many industries. And we're still pioneering in close cuts, constant uniformity, the most painstaking control of quality. Besides the 5 special advantages of Skellysolve as a lacquer diluent, you'll find other worthwhile features in the Skellysolve line. So, whatever type or price of solvent you need, let's talk it over—for I'm sure we can help you.

Write or wire for information or prices without delay

SKELLYSOLVE

Skellysolve is shipped to you in Skelly's own cars used for no other purpose. This prevents any possibility of contamination or mixture with other materials.

SOLVENTS DIVISION

Skelly Oil Co., 121 W. Wacker Drive

CHICAGO

SKELLY

Oil, lubricating, at rfy., Penna., neutral, 150 vis., 3 color, tanks	gal.	.18 -	—
180 vis.,3 color,tanks	gal.	.19 -	—
200 vis.,2 color,tanks	gal.	.20 -	—
spot, Penna., bright, bbls., c.l., f.a.s.	gal.	.27 -	.28
unfiltered, 600 s.r. bbls., f.a.s.	gal.	.21 -	—
600 flash, s.r., bbls., c.l.,	gal.	.23½-	—
630 s.r., bbls., c.l., f.a.s.	gal.	.25 -	—
Warren, E, bbls., c.l., f.a.s.	gal.	.24½-	—
smaller lots, f.o.b.	gal.	.26½-	—
Mace, dist., cns., dms	lb.	1.20 -	1.25
Mandarin, superior, coppers	lb.	6.00 -	7.50
Menhaden, crude, tanks, f.o.b. Balto.	gal.	.35	Nom.
refd., alkali, dms	lb.	.0870-	.0890
tanks	lb.	.0810-	—
blown, dms	lb.	.0870-	.0890
kettle-bodied, dms	lb.	.0970-	.0990
light pressed, dms	lb.	.0810-	.0830
tanks	lb.	.0740-	—
Mineral, white (see Oil, white mineral).			
Mustard, artif., USP, cns	lb.	1.70 -	1.75
dist., natural, bots	lb.	8.50 -	9.00
expressed, bbls	lb.	.75 -	.80
Neatsfoot, 20° cold test, bbls.	lb.	.16¼-	—
extra, bbls	lb.	.09½-	—
1, bbls	lb.	.09 -	—
pure, bbls	lb.	.11¾-	—
prime, bbls	lb.	.09¼-	—
sulphonated, common, 25% moisture, dms	lb.	.10½-	—
Neroli, bots	lb.	115.00 -	140.00
Nutmeg, USP, cns., dms	lb.	1.20 -	1.25
Officica, dms	lb.	.10¾-	.11
Oleo, 1, bbls	lb.	.09 -	—
2, bbls.	lb.	.08½-	—
Olibanum, bots	lb.	5.00 -	5.25
Olive, denat., bbls	gal.	.93 -	.95
edible, bbls	gal.	1.85 -	2.00
foots, bbls	lb.	.08¼-	.08¾
Olive, sulphonated, 50% (43% fat), dms., c.l.	lb.	.11½-	.12
l.c.l.	lb.	.12½-	.13
75% (63% fat), dms., c.l.	lb.	.13½-	.14
l.c.l.	lb.	.14½-	.15
80% (68% fat), dms, c.l.	lb.	.14½-	.15
l.c.l.	lb.	.15½-	.16
Orange sweet, dist., cs.	lb.	.90 -	—
expressed, African, cns., dms.	lb.	1.30 -	1.35
Calif., cns	lb.	1.75 -	—
Florida, cns	lb.	1.75 -	—
Messina, USP,coppers	lb.	2.25 -	3.00
West India, cns	lb.	1.95 -	2.00
Origanum, Spanish, cns	lb.	.90 -	1.60
Orris, Florentine, concrete, extra strong bots.	oz.	5.25 -	5.50
Palm, Niger, cks	lb.	.0385-	—
shipment	lb.	.0360-	—
softs, 12½%, bulk, shipt	lb.	.0310-	—
20%, bulk, shipt	lb.	.0295-	—
Sumatra, shipt., bulk	lb.	.03¾-	—
Palmarosa, cns.	lb.	2.05 -	2.25
Palmkernel, bulk, shipt	lb.	.0390-	—
Paraffin, 320° flash, 60-70 vis., tanks, G. 3	gal.	.05¼-	—
330° flash, 70-80 vis., tanks, G. 3	gal.	.05½-	—
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 -	—
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14 -	—
360° flash, 100-110 vis., tanks, G. 3	gal.	.05¾-	—
Patchouli, bots., cns	lb.	4.00 -	8.00
Peanut, crude, dom., tanks	lb.	.07¼-	.07½
refd., edible, bbls	lb.	.10 -	.10¼
Pennyroyal, dom., cns	lb.	1.40 -	1.45
import, cns.	lb.	1.35 -	1.40
Peppermint, natural, cns., dms.	lb.	2.00 -	2.25
redist., USP, cns., dms	lb.	2.20 -	2.45
Perilla, dms	lb.	.10½-	.10¾
tanks	lb.	.10 -	.10¼
Petitgrain, Paraguay, cns	lb.	1.05 -	1.10
Pimento berry, cns	lb.	3.65 -	7.50
leaf, cns.	lb.	2.30 -	2.40
Pine, dest.-dist., straw-color, dms., dlvd., E. ports	gal.	.52 -	.55
steam-dist., dms	gal.	.59 -	—
tanks	gal.	.54 -	—
Pineneedle Siberian, cns	lb.	1.02 -	1.05
Putty, bbls., El Segundo, Richmond, Cal.	gal.	.22½-	—
contracts	gal.	.19½-	—
Whiting, Ind	gal.	.28 -	—
dms., c.l., Bost., Provid.	gal.	.25 -	—
l.c.l., same basis	gal.	.27 -	—
tanks, same basis	gal.	.18 -	—
Martinez, Cal	gal.	.28 -	—
Rapeseed, blown, bbls.	lb.	.14½-	.14¾
denat., bbls.	gal.	.86 -	.87
Red, dist. or saponif., bbls., dlvd.	lb.	.09¾-	.10¾
dms., dlvd	lb.	.09¼-	.10½
tanks, dlvd	lb.	.08¾-	.09¾
white, dms	lb.	.12¼-	.13
Rose, artif., bots	oz.	2.00 -	8.00
natural, coppers	oz.	5.25 -	22.50
Rosemary, Spanish, cns	lb.	.56 -	.75
dms	lb.	.51 -	.70
Rosin, 1st rectfd., dms	gal.	.47 -	.49
2d rectfd., dms	gal.	.49 -	.51
3d rectfd., dms	gal.	.53 -	.55
Rue, bots	lb.	2.15 -	2.20
Sage, cns.	lb.	1.40 -	1.45
Sandalwood, Australia, cns.	lb.	4.50 -	5.00
E.I., USP, cns	lb.	5.20 -	5.25
Sardine, crude, tanks, Pac. Cst.	gal.	.40	Nom.
refd., alkali, dms	lb.	.0870-	.0890
tanks	lb.	.0810-	—
kettle-bodied, dms.	lb.	.0970-	.0990
light, pressed, dms	lb.	.0810-	.0830
tanks	lb.	.0740-	—
Sassafras, artif., cns	lb.	.37 -	.38
dms.	lb.	.35 -	.36
natural, cns., dms	lb.	.90 -	1.05
Savin, cns.	lb.	1.45 -	1.50
Savory, cns.	lb.	2.00 -	2.25
Sesame, dom,, refd., white, dms.	lb.	.10¼	Nom.
Shingle stain, bbls., c.l., works,	gal.	.18 -	—
l.c.l., works	gal.	.21 -	—
tanks, works	gal.	.14 -	—
Snakeroot, Canada, cns	lb.	9.50 -	10.00
Soybean, dom., crude, dms.	lb.	.0730-	.0750
tanks	lb.	.0650-	—
refd., dms	lb.	.0830-	.0920
tanks	lb.	.0770-	—
Spearmint, U.S.P., cns	lb.	1.60 -	1.70
Sperm, bleach, 38°, dms	lb.	.1000-	.1020
45°, dms	lb.	.0930-	.0950
natural, dms	lb.	.0880-	.0900
Spruce, cns., dms	lb.	1.05 -	1.10
Sweet birch, North, cns	lb.	2.25 -	2.50
South, cns	lb.	1.65 -	2.00
Tallow, acidless, bbls	lb.	.09 -	—
tanks	lb.	.08½-	—
Tansy, cns.	lb.	4.30 -	4.75
Tar, com'l, dms., c.l., dlvd., E. cities	gal.	.26 -	—
E. ports	gal.	.25 -	—
l.c.l.	gal.	.26 -	—
tanks, dlvd, E. cities	gal.	.20 -	—
rectfd., U.S.P., bbls., dlvd. E. ports	gal.	.50 -	—
Tar acid (see T).			
Teaseed, crude, dms	lb.	.07¼-	.07¾
Tea Tree (see Oil, ti tree).			
Thyme, NF, red, dms	lb.	.83 -	1.25
white, dms.	lb.	.83 -	1.45
Oil, ti tree, cns	lb.	3.10 -	3.50
Tung (see Oil, chinawood).			
Turkey red (see Oil, castor, sulphonated).			
Turpentine (see T).			
Turtle, cns.	gal.	4.25 -	5.00
Valerian, bots.	lb.	11.00 -	12.00
Vetiver, bots.	lb.	4.35 -	16.50
Walnut, crude, dms	lb.	.11¾-	.12
refd., dms.	lb.	.12¾-	.13
Whale, refd., natural, dms.	lb.	.0990-	.0990
winter, bleach, dms	lb.	.0980-	.1000
Wheat germ, phar., cns., dms.	gal.	22.50 -	30.00
feedstuff, cns., dms	gal.	17.50 -	25.00
White, mineral, dom., tech., 50-60 vis,, dms	gal.	.42 -	—
65-75 vis., dms	gal.	.44 -	—
80-90 vis., dms	gal.	.46 -	—
U.S.P., 80-90 vis., dms.	gal.	.49 -	—
95-105 vis., dms	gal.	.57 -	—
125-135 vis., dms	gal.	.64½-	—
140-150 vis,, dms	gal.	.68 -	—
175-185 vis., dms	gal.	.72½-	—
200-210 vis., dms	gal.	.74½-	—
320-330 vis., dms	gal.	.80½-	—
335-345 vis., dms	gal.	.82 -	—
Russian, 80-90 vis., dms.	gal.	.49 -	—
145-155 vis,, dms	gal.	.68 -	—
175-185 vis., dms	gal.	.72½-	—
335-345 vis., dms	gal.	.82 -	—
Wintergreen, natural, North, cns.	lb.	4.00 -	8.00
South, cns	lb.	3.05 -	3.75
synth (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.	lb.	2.65 -	2.70
Wormwood, cns	lb.	2.65 -	2.70
Ylang-ylang, Bourb., bots., cns.,	lb.	3.50 -	6.00
Manila, bots.	lb.	18.00 -	24.00
Opium, USP, cns	lb.	11.50 -	12.50
gran., cns	lb.	12.50 -	13.50
powd., cns	lb.	12.50 -	13.50
Orange, Lake, Persian, bbls	lb.	.30 -	.45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.10¼-	—
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.10¾-	—
Colo., Mont., N. M., Wyo.	lb.	.10½-	—
Other points	lb.	.10 -	—
smaller lots, dlvd., Ala., etc.	lb.	.10¾-	—
Ariz., etc	lb.	.11¼-	—
Colo., Mont., N. M., Wyo.	lb.	.11 -	—
Other points	lb.	.10½-	—
French, Tours, csks, ex dock,	lb.	.13½-	—
kgs., ex dock	lb.	.14½-	—
Molybdate, bbls	lb.	.31 -	—
Toner, bbls	lb.	.80 -	—
Orangeflower petals, cs	lb.	.33 -	.35
Orange peel, bitter, bls	lb.	.08 -	.09
sweet, bls.	lb.	.09 -	.10
Orris root, Florentine, bgs	lb.	.10 -	.11
fingers, cs	lb.	.90 -	.95
powd., bbls., bxs	lb.	.12 -	.13
Verona, bls	lb.	.09 -	.10
powd., bxs., cs	lb.	.12 -	.13
Orthoanisidin, bbls	lb.	.70 -	.74
Orthochloroanilin, dms	lb.	.60 -	.75
Orthochlorophenol, dms	lb.	.32 -	—
Orthocresol, dms., c.l., works	lb.	.16½-	—
l.c.l., same basis	lb.	.17½-	—
Orthodichlorobenzene, dms., c.l., works, frt. alld E. of Rockies	lb.	.06 -	—
l.c.l., same basis	lb.	.07 -	—
100-lb. tins, same basis	lb.	.08 -	—
50-lb. tins, same basis	lb.	.09 -	—
tanks, same basis	lb.	.05½-	—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.			
Orthonitroanilin, dms	lb.	.55 -	—
Orthonitrochlorobenzene, kgs.	lb.	.18 -	—
Orthonitroparachlorophenol, cns.	lb.	.75 -	—
Orthonitrotoluene, dms	lb.	.08 -	—
Orthotoluenehydrochloride, dms.	lb.	.22 -	—
Orthotoluene sulphonate, kgs.	lb.	2.00 -	2.05
Orthotoluidin, dms	lb.	.10 -	—
Osage orange extract, cryst., bbls.,	lb.	.19 -	—
liquid, 42°, bbls	lb.	.08 -	—
51°, bbls	lb.	.09 -	—
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.50 -	—
bots., cns., 1-50 lbs	lb.	3.65 -	4.00

P

Papain, powd., cs	lb.	1.30 -	1.35
Paprika, Hungarian, extra fancy, bgs.	lb.	.21½-	.22
medium, bgs	lb.	.20 -	.20¼
Spanish, extra fancy, cs	lb.	.28 -	.29
fair, bgs	lb.	.24	Nom.
fancy, bgs.	lb.	.27	Nom.
medium, bgs.	lb.	.23½-	.24
Para-aminoacetanilide, kgs.	lb.	.85	Nom.
Parachlorophenol, dms	lb.	.45 -	—
Paracymene, refd., dms	gal.	.75 -	1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 -	.12
l.c.l.	lb.	.12½-	.15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.02 -	—
bbls., c.l., N. Y.	lb.	.0185-	—
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.02 -	—
bbls., c.l., N. Y.	lb.	.0185-	—
yellow, 124-126 A.m.p., bbls., c.l., N. Y.	lb.	.02¼-	Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.0430-	—
125-127 A.m.p,, bgs., c.l.	lb.	.0435-	—
128-130 A.m.p., bgs., c.l.	lb.	.0445-	—
130-132 A.m.p., bgs., c.l.	lb.	.0455-	—
133-135 A.m.p., bgs., c.l.	lb.	.05 -	—
135-137 A.m.p., bgs., c.l.	lb.	.05¼-	—
138-140 A.m.p., bgs., c.l.	lb.	.06 -	—
143-145 A.m.p., bgs., c.l.	lb.	.07 -	—
refined paraffin prices in cases are ½c. lb. higher than bags price.			
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.02½-	.02¾
semirfd., solid, 122-124 A.m.p., bgs.	lb.	.03¼	Nom.
Paraformaldehyde, dms., 1.000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.34 -	—
100 to 900 lbs. shipments, same basis.	lb.	.35 -	—
Paraldehyde, tech., 99%, 55 and 100 gal. dms., dlvd.	lb.	.16 -	—
5 and 10 gal. dms., dlvd.,	lb.	.17 -	—
USP, cbys.	lb.	.37 -	.45
Paranitroanilin, kgs., works	lb.	.51 -	—
Paranitrochlorobenzene, kgs.	lb.	.15 -	—
Paranitrophenol, kgs.	lb.	.35 -	—
Paranitrotoluene, kgs.	lb.	.35 -	—
Paraphenylenediamine, bbls.	lb.	1.25 -	1.30
Paratoluenesulphonamide, bbls.	lb.	.70 -	—
Paratoluidin, bbls.	lb.	.56 -	—
Pareira brava root, bls.	lb.	.15 -	.18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. all'd	lb.	.23 -	.26
less car lot, same basis.	lb.	.24 -	.28
Passion flower herb, bls.	lb.	.07 -	.07½
Patchouli leaves, bls.	lb.	.18 -	.20
Pellitory root, bls.	lb.	.18 -	.20
Pennyroyal herb, bls.	lb.	.07 -	.08
leaves, bls.	lb.	.14 -	.15
Pentanes norm., 28-38°, dms., c.l., G.3.	gal.	.11½-	—
l.c.l., G.3	gal.	.16 -	—
tanks, G.3	gal.	.08½-	—
laboratory grade, dms., c.l., G.3.	gal.	.14 -	—
l.c.l., G.3	gal.	.25 -	—
Pepper, black, Alleppy, bgs.	lb.	.08½-	.09
Lampong, bgs.	lb.	.05½-	.05¾
Tellicherry, bgs.	lb.	.09 -	.09¼
Red, Japanese, 1, bgs.	lb.	.19½-	.20
Mombasa, bgs	lb.	.21	Nom.
White, Java, Muntok, bgs.	lb.	.08¼-	.08½
Saigon, bgs	lb.	.08¼-	.08½
Peppermint leaves, dom., bls.	lb.	.30 -	.31
import, bls.	lb.	.45 -	.48
Peru, balsam, dms.	lb.	.75 -	.76
Petrolatum, amber, bbls., c.l.,	lb.	.02¾-	—
l.c.l.	lb.	.03⅞-	—
extra, bbls.	lb.	.03 -	—
l.c.l.	lb.	.04⅛-	—
cream (see white, cream)			
green (see red)			
red, veterinary, bbls., c.l.	lb.	.02½-	—
l.c.l.	lb.	.03⅜-	—
white, cream, bbls., c.l.	lb.	.04½-	—
l.c.l.	lb.	.06⅛-	—
lily, bbls., c.l.	lb.	.05½-	—
l.c.l.	lb.	.07⅛-	—
snow., bbls., c.l.	lb.	.06⅛-	—
l.c.l.	lb.	.08⅛-	—
Petroleum, crude, bulk, at wells:—			
California:—			
Alamitos Heights	bbl.	.74 -	.95
Athens	bbl.	.84 -	1.66
Belridge	bbl.	.70 -	1.32
Buena Vista Hills	bbl.	.70 -	1.38
Canal-Greely	bbl.	.84 -	1.64
Coalinga	bbl.	.70 -	.90
Coyote Hills (West)	bbl.	.78 -	1.32
Dominguez	bbl.	.79 -	1.00
East Coyote	bbl.	.76 -	.96
Elk Hills	bbl.	.70 -	1.38
Elwood Terrace, f.o.b. ship.,	bbl.	1.28 -	1.43
El Segundo	bbl.	.80 -	1.21
Huntington Beach	bbl.	.78 -	1.22
Inglewood	bbl.	.79 -	1.27
Kern Front	bbl.	.70 -	—
Kern River	bbl.	.70 -	—
Kettleman Hills	bbl.	1.19 -	1.43
La Habra	bbl.	.76 -	.98
Lakeview	bbl.	.70 -	1.38
Lost Hills	bbl.	.70 -	1.32
McKittrick	bbl.	.70 -	—
Midway - Sunset (except Lakeview)	bbl.	.70 -	1.38
Montebello	bbl.	.77 -	1.43
Mt Poso	bbl.	.70 -	—
Mountain View	bbl.	.70 -	1.20
Newhall	bbl.	.70 -	—
Orcutt	bbl.	.70 -	.86
Olinda Brea	bbl.	.76 -	1.27
Playa del Rey, f.o.b. pipeline	bbl.	.80 -	1.10
Richfield	bbl.	.76 -	1.09
Rosecrans	bbl.	.84 -	1.66
Round Mt.	bbl.	.70 -	—
Santa Fe Springs	bbl.	.78 -	1.42
Santa Paula	bbl.	.70 -	1.01
Seal Beach	bbl.	.79 -	1.19
Signal Hill	bbl.	.80 -	1.21
Torrence	bbl.	.80 -	1.05
Wheeler Ridge	bbl.	.70 -	.83
Whittier	bbl.	.76 -	.96
Wilmington	bbl.	.75 -	1.21
Canada:—			
Oil Springs	bbl.	2.17 -	—
Petrolia	bbl.	2.10 -	—
Central West:—			
Illinois	bbl.	1.35 -	—
Lima	bbl.	1.25 -	—
Midland (Mich.)	bbl.	1.12 -	—
Princeton	bbl.	1.35 -	—
East Texas	bbl.	1.35 -	—
Gulf Coast:—			
Barber's Hill	bbl.	.95 -	1.41
Hatson	bbl.	.95 -	1.41
Dayton	bbl.	.95 -	1.41
Esperson	bbl.	.95 -	1.41
Goose Creek	bbl.	.95 -	1.41
Hull	bbl.	.95 -	1.41
Humbie	bbl.	.90 -	1.41
Liberty	bbl.	.90 -	1.41
Markham	bbl.	.90 -	1.29
Orange	bbl.	.95 -	1.41
Pettus	bbl.	1.37 -	—
Pierce Junction	bbl.	.95 -	1.41
Refugio (incl. Greta, Tart, Saxet)	bbl.	1.01 -	1.17
Saratoga	bbl.	.95 -	1.41
Sour Lake	bbl.	.90 -	1.41
Spindle Top	bbl.	.95 -	1.41
Sugarland	bbl.	.95 -	1.41
West Columbia	bbl.	.95 -	1.41
Kentucky, Tennessee:—			
Big Sandy river	bbl.	1.42 -	—
Kentucky river	bbl.	1.50 -	—
Western Kentucky (Owensboro)	bbl.	1.40 -	—
Louisiana, Arkansas:—			
Bull Bayou	bbl.	.90 -	1.22
Caddo	bbl.	.90 -	1.22
Cameron Meadows	bbl.	.90 -	1.30
Choctaw	bbl.	.90 -	1.30
Cotton Valley	bbl.	.90 -	1.22
Darrow	bbl.	.90 -	1.30
De Soto	bbl.	.90 -	1.22
El Dorado	bbl.	.90 -	1.22
Haynesville	bbl.	.90 -	1.22
Homer	bbl.	.90 -	1.22
Iowa	bbl.	.90 -	1.30
Lockport	bbl.	.90 -	1.30
Miller County	bbl.	.90 -	1.22
Pine Island	bbl.	.90 -	1.22
Rainbow	bbl.	.90 -	1.22
Rodessa	bbl.	.90 -	1.22
Smackover	bbl.	.90 -	—
Tepetate	bbl.	1.24 -	—
Urania	bbl.	1.02 -	—
Mexico, f.o.b. terminals Mexican ports—based on contract:—			
Panuco	bbl.	1.05	Nom.
Tax, 14.392c. per bbl.			
Tuxpan	bbl.	No prices.	
Tax, 23.45c. per bbl.			
Midcontinent:—			
North Texas	bbl.	.96 -	1.20
Oklahoma-Kansas	bbl.	.98 -	1.30
Altus, Tipton (Okla.),	bbl.	.96 -	1.20
Pennsylvania, Ohio West Virginia:—			
Bradford-Allegany	bbl.	2.05 -	—
Corning	bbl.	1.27 -	—
Pennsylvania grade, in Buckeye lines.	bbl.	1.55 -	—
Eureka lines	bbl.	1.65 -	—
N. Y. Transit lines.	bbl.	2.05 -	—
S. W. Penn. lines.	bbl.	1.71 -	—
lower district in National Transit lines.	bbl.	1.93 -	1.98
Rocky Mountain:—			
Big Muddy	bbl.	1.18 -	1.28
Canon City-Florence	bbl.	1.10 -	—
Cat Creek	bbl.	1.40 -	—
Dutton Creek	bbl.	1.06 -	1.30
Elk Basin	bbl.	1.30 -	—
Fort Collins-Wellington	bbl.	1.01 -	1.25
Frannie, light	bbl.	.82 -	—
Grass Creek	bbl.	1.30 -	—
Greybull	bbl.	1.30 -	—
Iles	bbl.	1.12 -	1.18
Lance Creek	bbl.	.97 -	—
Lander	bbl.	.51½-	—
Midway	bbl.	1.06 -	1.30
Rock Creek	bbl.	1.20½-	—
Salt Creek	bbl.	1.06 -	1.30
Sunburst	bbl.	1.20 -	—
Torchlight	bbl.	1.30 -	—

Oil, Lub.—Petrol. Thinner

Petroleum, crude, bulk, at wells:—			
South, Central and Southwestern Texas:—			
Cass County	bbl.	.93 -	1.25
Cleveland-Liberty	bbl.	1.27 -	—
Conroe	bbl.	1.20 -	1.44
Darst Creek	bbl.	1.09 -	—
Hardin-Liberty	bbl.	1.15 -	—
Luling	bbl.	1.00 -	—
Lytton Springs	bbl.	1.12 -	—
Mirando (incl. Duval)	bbl.	.96 -	1.30
Panola County	bbl.	.93 -	1.25
Salt Flat	bbl.	1.09 -	—
Tomball	bbl.	1.20 -	1.44
Van	bbl.	1.10 -	—
Texas Panhandle:—			
Carson-Hutchinson counties,	bbl.	.91 -	1.03
Gray County	bbl.	.96 -	1.08
West Texas:—			
Artesia, N. M.	bbl.	.90 -	—
Crane	bbl.	.78 -	1.08
Crockett	bbl.	.78 -	1.08
Ector	bbl.	.78 -	1.08
Eddy (N. M.)	bbl.	.90 -	—
Hogback	bbl.	1.33 -	—
Howard	bbl.	.78 -	1.08
Jackson, N. M.	bbl.	.90 -	—
Lea, N. M.	bbl.	.78 -	1.08
Maljamar, N. M.	bbl.	.90 -	—
Mitchell	bbl.	.78 -	1.08
Pecos	bbl.	.91 -	—
Upton	bbl.	.78 -	1.08
Winkler	bbl.	.78 -	1.08
Ether, 30-60°, dms., c.l., G. 3,	gal.	.14 -	—
l.c.l., G. 3	gal.	.25 -	—
tanks, G.3	gal.	.13 -	—
35-60°, dms., l.c.l., G.3	gal.	.30 -	—
40-75°, dms, c.l., G.3	gal.	.14 -	—
l.c.l., G.3	gal.	.25 -	—
tanks, G.3	gal.	.13 -	—
laboratory grade, dms., c.l., G.3.	gal.	.14 -	—
c.l., G.3	gal.	.25 -	—
10-gal. lots, G.3	gal.	.50 -	—
Lacquer, diluent, at refinery:—			
California 60, 100 i.b.p., 200 e.p., tanks, delvd. Los Angeles.	gal.	.11 -	—
San Francisco.	gal.	.11½-	—
f.o.b. Richmond.	gal.	.11½-	—
Willbridge, Ore.; Pt. Wells, Wash.	gal.	.12 -	—
East Coast, tanks	gal.	.12 -	.12½
Group 3, tanks	gal.	.07⅞-	—
Naphtha, cleaners, at refinery:—			
East Coast, tanks	gal.	.10 -	—
Group 3, tanks	gal.	.06¾-	—
tankwagon, Boston, ex tax,	gal.	.13 -	—
Bridgeport	gal.	.13½-	—
Chicago, inc. 4c. tax.	gal.	.17½-	—
Decatur, inc. 4c. tax.	gal.	.191 -	—
Des Moines, inc. 4c. tax.	gal.	.189 -	—
Evansville, inc. ex tax.	gal.	.14½-	.15½
Milwaukee, inc. 5c. tax,	gal.	.203 -	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20¼-	—
Newark, ex tax	gal.	.12½-	—
New York, ex tax	gal.	.11 -	—
Omaha, ex tax	gal.	.144 -	.154
Philadelphia, ex tax	gal.	.12¼-	—
St. Louis, inc. 1c. tax.	gal.	.157 -	—
Solvent, rubber, at refinery, East Coast, tanks.	gal.	.09¼-	.10
Group 3, light, 120 i.b.p., 250 e.p., tanks.	gal.	.06¾-	—
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06¾-	—
Stoddard (CS 3-38), at refinery:—			
East Coast, tanks	gal.	.10 -	—
Group 3, tanks	gal.	.05¾-	—
tankwagon, Boston, ex tax,	gal.	.12½-	.13¼
Chicago, inc. 4c. tax.	gal.	.162 -	—
Decatur, inc. 4c. tax—	gal.	.181 -	—
Des Moines,inc. 4c. tax.	gal.	.179 -	—
Evansville, Ind., ex tax.	gal.	.135 -	.145
Milwaukee, inc. 5c. tax,	gal.	.193 -	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.174 -	—
Newark, ex tax	gal.	.11½-	—
New Orleans, ex tax.	gal.	.11 -	—
New York, ex tax	gal.	.11½-	—
Omaha	gal.	.131 -	.141
Philadelphia, ex tax.	gal.	.11½-	—
St. Louis, inc. 1c. tax.	gal.	.146 -	—
Tulsa, ex tax	gal.	.10 -	.11
Thinner, at refinery:—			
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles	gal.	.14 -	—
Portland, Ore.	gal.	.15 -	—
Richmond	gal.	.13½-	—
Seattle, Wash.	gal.	.15½-	—
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore.,	gal.	.10½-	—
Richmond	gal.	.10 -	—
Southern Calif.	gal.	.09½-	—
56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo.	gal.	.11 -	—
Portland, Ore.	gal.	.12 -	—
Richmond	gal.	.11½-	—
Seattle, Wash.	gal.	.12 -	—
East Coast, 43-47, tanks.	gal.	.09¼-	.10
47-49, tanks	gal.	.09¼-	.10
New Jersey, tanks	gal.	.09 -	—
Group 3, tanks	gal.	.06¾-	—
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.	gal.	.16 -	—
2, over 90% arom., same basis.	gal.	.18 -	—
3, tanks, f.o.b. Bayway.	gal.	.18 -	—
8, tanks, f.o.b. Paulsboro, N. J.	gal.	.15 -	—
30, same basis	gal.	.16 -	—
70, same basis	gal.	.14½-	—
V. m. & p., at refinery:—			
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 -	—
Richmond, gal.	gal.	.11¼-	—
Willbridge, Ore., Pt. Wells, Wash.	gal.	.13 -	—
54-57, 190 i.b.p., 310 e.p. tanks, dlvd. Los Angeles.	gal.	.10 -	—
San Francisco.	gal.	.10½-	—
Portland, Seattle.	gal.	.11 -	—
East Coast, tanks.	gal.	.10 -	—
Group 3, tanks.	gal.	.06¾-	—
Chicago, inc. 4c. tax.	gal.	.16½-	—
Decatur, inc. 4c. tax.	gal.	.191 -	—
Des Moines, inc. 4c. tax.	gal.	.189 -	—
Evansville, Ind., ex tax.	gal.	.147 -	.157
Milwaukee, inc. 5c. tax.	gal.	.203 -	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20¼-	—
Newark, ex tax.	gal.	.12½-	—
New York, ex tax.	gal.	.11 -	—
Omaha, ex tax.	gal.	.144 -	.164
Philadelphia, ex tax.	gal.	.12¼-	—
St. Louis, inc. 1c. tax.	gal.	.157 -	—
Solvent, rubber, at refinery, East Coast, tanks.	gal.	.09¼-	.10
Group 3, light, 120 i.b.p., 250 e.p., tanks.	gal.	.06¾-	—
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06¾-	—
Stoddard (CS 3-38), at refinery:—			
East Coast, tanks.	gal.	.10 -	—
Group 3, tanks.	gal.	.05¾-	—
tankwagon, Boston, ex tax,	gal.	.12½-	.13¼
Chicago, inc. 4c. tax.	gal.	.162 -	—
Decatur, inc. 4c. tax—gal.	gal.	.181 -	—
Des Moines,inc. 4c. tax.	gal.	.179 -	—
Evansville, Ind., ex tax.	gal.	.135 -	.145
Milwaukee, inc. 5c. tax,	gal.	.193 -	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.174 -	—
Newark, ex tax.	gal.	.11½-	—
New Orleans, ex tax.	gal.	.11 -	—
New York, ex tax.	gal.	.11½-	—
Omaha	gal.	.131 -	.141
Philadelphia, ex tax.	gal.	.11½-	—
St. Louis, inc. 1c. tax.	gal.	.146 -	—
Tulsa, ex tax.	gal.	.10 -	.11
Thinner, at refinery:—			
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles.	gal.	.14 -	—
Portland, Ore.	gal.	.15 -	—
Richmond	gal.	.13½-	—
Seattle, Wash.	gal.	.15½-	—
44, 311 i.b.p., 385 e.p., tanks, f.o.b.

Petrol. Thinner—Snakeroot

Petroleum, thinner, tankwagon, tax included:—

Albany	gal.	.13 - —
Baltimore (100 gals.)	gal.	.12½- .15⅛
25-99 gals	gal.	.13½- .15½
Boston	gal.	.12½- .13½
Bound Brook, North Amboy, N. J.	gal.	.11¼- .13⅛
Bridgeport, Conn.	gal.	.13 - —
Buffalo	gal.	.12½- —
Camden, N. J.	gal.	.115 - .126
Chicago	gal.	.16½- —
Decatur, Ill.	gal.	.181 - —
Des Moines	gal.	.179 - —
Evansville, Ind.	gal.	.137 - .147
Milwaukee	gal.	.198 - —
Minneapolis-St. Paul	gal.	.19½- —
Newark	gal.	.09½- —
New York (200 gals.)	gal.	.11 - —
Omaha	gal.	.131 - .141
Philadelphia	gal.	.115 - .135
Pittsburgh	gal.	.12 - .14
Providence	gal.	.12½- .13½
Rochester	gal.	.12 - .16
St. Louis	gal.	.147 - —
Syracuse	gal.	.14 - —
Trenton	gal.	.11½- .14
Wilmington, Del.	gal.	.11½- .13⅛
Phenobarbital, bots., 5 lbs.	lb.	4.35 - —
bots. or cns., spot or contract, 100 lbs.	lb.	4.00 - —
cns., 25 lbs.	lb.	4.25 - —
Phenol, USP, dms., c.l., works, frt. equald.	lb.	.14½- .15½
l.c.l., same basis	lb.	.15¼- .16¼
under 1,000 lbs.	lb.	.16¼- .17¼
tanks, works	lb.	.13½- —
Phenolphthalein, USP, bbls., dms. 2,000 lb. lots.	lb.	.85 - —
bbls., dms., kegs, 100-250 lbs.	lb.	.87 - .90
yellow, fib., dms., 2,000-lb. lots,	lb.	.80 - —
100-lb. fib., dms.	lb.	.82 - —
25-lb. dms.	lb.	.87 - —
50-lb. kgs.	lb.	.84 - —
Phenyl chloride, dms.	lb.	.17 - —
Phenylacetaldehyde, bots.	lb.	2.25 - 3.50
Dimethylacetate, cns.	lb.	14.50 -15.00
Phenylethylphenyl acetate, bots.,	lb.	7.90 -15.50
Phenylhydrazine base, CP, bots.,	lb.	4.00 - —
Hydrochloride, CP, bots., works.	lb.	4.00 - —
commercial, kgs., works.	lb.	1.50 - —
pure, bbls., works.	lb.	2.25 - —
Phloroglucinol, CP, tins, works.	lb.	20.00 -22.00
tech., tins, works.	lb.	15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines.	long ton.	4.35 - —
land pebble, 68% min., bulk, mines.	long ton.	1.85 - —
70% min., bulk, mines,	long ton.	2.35 - —
72% min., bulk, mines,	long ton.	2.85 - —
75% basis, 74% min., bulk mines.	long ton.	3.85 - —
Tenn., 72% bulk, mines, long	ton.	4.50 - —
75%, bulk, mines.	long ton.	6.50 - —
Phosphorus, red, cs.	lb.	.40 - .44
Yellow, cs.	lb.	.24 - .30
Oxychloride, cyls.	lb.	.15 - .18
Sesquisulphide, cs.	lb.	.38 - .42
Trichloride, cyls.	lb.	.15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R.	lb.	.14¼- —
l.c.l., same basis	lb.	.15½- —
Pichi leaves, bgs.	lb.	.08 - .10
Pilocarpine hydrochloride, bots., vis.	oz.	2.40 - 2.50
Nitrate, bots., vis.	oz.	2.90 - 3.00
Pimento, bgs.	lb.	.14 - .14¼
Pinkroot, bls.	lb.	.40 - .45
Pitch, Burgundy (see B)		
Coaltar, 160° m.p., bbls., c.l., works.	ton.	19.00 - —
l.c.l.	ton.	22.00 - —
Pitch, hardwood, 1-time, dm., c.l., dlvd. Akron.	ton.	23.75 -24.00
Linseed, dms.	lb.	.05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas)		
Pine, bbls.	bbl.	6.00 - 6.25
Plaster of paris (see Gypsum).		
Pleurisy root, bls.	lb.	.12 - .18
Podophyllin, dms.	lb.	5.00 - 5.25
Poke root, bls.	lb.	.07¼- .08
Pomegranate bark, bgs.	lb.	.16 - .17
Root bark, bgs.	lb.	.35 - .36
Poppy flowers, red, bls.	lb.	.75 - .85
Seed, Dutch, bgs.	lb.	.11⅝- .12
Polish, bgs.	lb.	.11⅜- .12
Potash acetate, tech., bbls., dlvd.	lb.	.26 - —
kgs., dlvd.	lb.	.28 - —
USP, bbls., 250 lbs.	lb.	.28 - —
kgs., 100 lbs.	lb.	.30 - —
cns., 25 lbs.	lb.	.33 - —
Arsenite, USP, solut., cbys., 100 lbs.	lb.	.11 - —
demj., 50 lbs.	lb.	.12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs.	lb.	.18 - —
kgs., 100 lbs.	lb.	20 - —
gran., bbls., 250 lbs.	lb.	.18 - —
kgs., 100 lbs.	lb.	.20 - —
Bichromate, spot, c.l., works.	lb.	.08⅜- —
6 casks or 10 bbls., or over, works.	lb.	.09 - —
5 casks or 9 bbls., or less, works.	lb.	.09¼- —
Binoxalate, dms.	lb.	.23 - —
Bisulphate, kgs.	lb.	.15½- .18
Bromide, USP., gran., bbls., 500 lbs.	lb.	.31 - —
fib., dms., 100 lbs.	lb.	.32 - —
Carbonate, calc., dms., c.l., works.	lb.	.06¼- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 83-85%, bbls., c.l., works.	lb.	.05¼- —
l.c.l., same basis	lb.	.05⅝- —
liquid, dms., c.l., dlvd.	lb.	.03 - —
l.c.l., dms	lb.	.03¼- —
tanks, dlvd.	lb.	.02871/2- —
USP, gran., bbls., 325 lbs.	lb.	.14 - —
powd., bbls., 325 lbs.	lb.	.19 - —
kgs., 100 lbs.	lb.	.21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works.	lb.	.07 - —
l.c.l.	lb.	.07¼- .07½
import, dms.	lb.	.07 - .07½
liquid, 45% basis, dms.	lb.	.03½- .03½
tanks	lb.	.02⅝- —
solid, 88-92%, dom., dms., c.l., works.	lb.	.06¼- —
l.c.l.	lb.	.06½- .06¾
import, cnks.	lb.	.06¼- .06¾
Chlorate, cryst., kgs.	lb.	.09¼- .09¾
gran., kgs.	lb.	.12 - .13
powd., kgs.	lb.	.08½- .09
Chloride, tech., 98%, cryst., bgs., kgs.	lb.	.04 - .06
Chromate, kgs.	lb.	.23 - .28
Citrate, USP, gran., bbls., 250 lbs.	lb.	.34 - —
kgs., 100 lbs.	lb.	.35 - —
cns., 50 lbs.	lb.	.36 - —
cns., 25 lbs.	lb.	.38 - .39
Cyanide, cns., dms.	lb.	.55 - .60
Potash, glycerophosphate, 75%, sol., dms., 1,000-lb. lots.	lb.	1.15 - —
smaller lots	lb.	1.30 - —
cns., 25 lbs.	lb.	1.40 - —
Guaiacolsulphonate, fib., dms., 100 lbs.	lb.	1.65 - —
cns., 25 lbs.	lb.	1.75 - —
Hydroxide, USP, sticks, cns., 110 lbs.	lb.	.30 - —
Hypophosphite, cns., 100 lbs., lb.		.72 - —
25 to 50 lbs.	lb.	.75 - —
Iodate, bbls., bots., 5 lbs.	lb.	3.17 - —
cns., 25 lbs.	lb.	3.05 - —
Iodide, bbls., 250 lbs.	lb.	.93 - —
bots., or cns.	lb.	1.02 - 1.28
dms.	lb.	.95 - .96
Kainit, 20% K_2O, bulk, c.if., ports, ton.		12.25 - —
Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.l.f. ports, unit-ton.		.58½- —
import, 30%, K_2O, bulk, shipt. unit-ton.		.55½- —
Metabisulphite, kgs.	lb.	.13 - .15
Muriate, dom., all strengths, min. 50% K_2O bulk., unit-ton.		.53½- —
import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.l.f. ports.	unit-ton.	.53½- —
Potash muriate prices in bags are $2 per ton higher than bulk price.		
Oxalate, pure, cryst., kgs.	lb.	.30 - .31
tech., bbls.	lb.	.25 - .26
Nitrate, crude, bgs., Feb.-May shipt., c.i.f. ports.	ton.	57.50 - —
Perchlorate, kgs., works.	lb.	.09½- .11¼
Permanganate, tech., dms.	lb.	.18½- .19
Prussiate, red, bbls.	lb.	.32 - .34
Yellow, bbls.	lb.	.15 - .16
Ricinoleate, tech., bbls.	lb.	.13 - —
Silicate alkaline, lump, bgs.,	lb.	.07 - —
Sulphate, NF, cryst., bbls., 400 lbs.	lb.	.13 - —
kgs., 100 lbs.	lb.	.15 - —
powd., bbls., 350 lbs.	lb.	.14 - —
kgs., 100 lbs.	lb.	.16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.l.f. ports.	ton.	38.00 - —
l.c.l.	lb.	.13¼- —
Xanthate, dms., c.l.	lb.	.18 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt.	ton.	25.75 - —
Potash-titanium oxalate, kgs.	lb.	.35 - .40
Prickly ash bark, bls.	lb.	.11 - .12
Berries, bls.	lb.	.15 - .16
Prince's pine herb, bls.	lb.	.21 - .22
Propane, tanks, G.3	gal.	.03 - —
Psyllium seed (see Fleaseed).		
Pulsatilla, bls.	lb.	.17 — .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works.	lb.	.03 - —
less than 3, works.	lb.	.03½- —
F and 1, bbls., 3 or over, works.	lb.	.03¼- —
less than 3, works.	lb.	.04 - —
O, O-½, O-¾, and ½, bbls., less than 3, works.	lb.	.04½- —
3 or over, works.	lb.	.04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y.	ton.	32.85 Nom.
l.c.l., 5-29 tons, ex whse.,	ton.	37.70 - —
1,000-10,000 lbs., ex whse.	ton.	38.70 - —
2 bgs. to 1,000 lbs., ex whse.	ton.	40.70 - —
single bgs., ex whse.	ton.	45.70 - —
Pumpkin seed, bgs.	lb.	.10 - .12
Purple lake (see Red).		
Putty, com'l, dms.	100 lbs.	2.50 - —
linseed oil, raw, dms.	100 lbs.	4.00 - —
refined, dms.	100 lbs.	5.00 - —
standard, dms.	100 lbs.	3.00 - 3.50
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand.	gal.	6.40 - 6.75
basis (30 to 1) 3.6% pyrethrins 55 gal. dms., (incl.) frt. alld. E. of Rockies, standard brand.	gal.	9.60 - 9.95
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over.	lb.	.23¾- —
fine powd. Japan, bbls., ton lots, frt. alld.	lb.	.25¼- —
Pyridin, denaturing, dms.	gal.	1.55 - —
refd., 2°, dms.	lb.	.45 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports.	unit-ton.	.12-13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins.	lb.	2.15 - 2.40
resublimed, fib, dms., tins.	lb.	4.60 - —
Pyroxylin, scrap, amber, cs., works.	lb.	.15 - —
black, cs., works.	lb.	.10 - —
China white, ivory, cs., works.	lb.	.16 - —
dense white, cs., works.	lb.	.12 - —
gray, cs., works.	lb.	.10 - —
mixed, mottles, opaque, cs., works.	lb.	.04 - —
shell-demi, cs., works.	lb.	.12 - —
translucent pastels, cs., works.	lb.	.10 - —
transparent, cs., works.	lb.	.20 - —
colors, cs., works.	lb.	.12 - —
shavings, amber, cs., works.	lb.	.16 - —
colors, mixed, cs., works.	lb.	.10 - —
white, cs., works.	lb.	.15 - —

Q

Quassia, chips, bls.	lb.	.05 - .06
Quebracho extract, liquid, 35% tan., bbls., works.	lb.	.03⅝- —
tanks, works.	lb.	.02⅞- —
solid, 63%, bgs., c.l., ex dock, plus duty.	lb.	.04 - —
clarified, 64%, bgs., c.l., same basis.	lb.	.04¼- —
Queen of the meadow leaves, bgs.	lb.	.07 - .08
Root, bgs.	lb.	.09 - .10
Quercitron, extract, liquid, 51°, bbls.	lb.	.07½- .08⅛
solid, dms.	lb.	.10 - .15⅛
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y.	flask.	71.00- .72.00
Quince seed, bgs.	lb.	.85 - 1.50
Quinidine, cryst., small cns.	oz.	.96 - —
large, cns.	oz.	.98 - —
powd., precip., cans	oz.	.91 - —
Sulphate, cns.	oz.	.67 - —
Quinine, 100 ozs., cns.	oz.	.74 - —
Acetate, cns.	oz.	.98 - —
Arsenate, cns.	oz.	.98 - —
Arsenite, cns.	oz.	1.00 - —
Bisulphate, cns.	oz.	.53 - —
Citrate, cns.	oz.	.71 - —
Dihydrobromide, bots.	oz.	.74 - —
Dihydrochloride, bots.	oz.	.74 - —
Ethylcarbonate, cns.	oz.	.74 - —
Ferrocyanide, cns.	oz.	1.00 - —
Formate, cns.	oz.	.93 - —
Glycerophosphate, cns.	oz.	1.13 - —
Hydrochloride, cns.	oz.	.66½- —
Hydrochlorosulphate, cns.	oz.	.74 - —
Hydroiodide, cns.	oz.	.98 - —
Hypophosphite, cns.	oz.	.98 - —
Phosphate, cns.	oz.	.81 - —
Salicylate, cns.	oz.	.72 - —
Sulphate, USP X, cns.	oz.	.53 - —
USP XI, cns.	oz.	.59½- —
Sulphocarbolate, cans.	oz.	.96 - —
Tannate, cns.	oz.	.57 - —
Tartrate, cns.	oz.	.96 - —
Valerate, cns.	oz.	.92 - —
Quinine-urea hydrochloride cns.	oz.	.74 - —

R

R salt, bbls.	lb.	.52 - .55
Rapeseed, Belgian, bgs.	lb.	.06½- .07
Dutch, bgs.	lb.	.06⅝- .07
Japanese, bgs.	lb.	.06 - .06½
Raspberries, dried, bbls.	lb.	.55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
Amaranth (see Red, maroon, lake)		
Cadmium, lithopone, deep shade, bbls., tan lots, works, frt. alld.	lb.	.85 - —
smaller lots, same basis,	lb.	.90 - —
kgs., ton lots, same basis,	lb.	.90 - —
smaller lots, same basis,	lb.	.95 - —
light shade, bbls., ton lots, same basis.	lb.	.70 - —
smaller lots, same basis,	lb.	.75 - —
kgs., ton lots, same basis,	lb.	.75 - —
smaller lots, same basis,	lb.	.80 - —
light-medium shade, bbls., ton lots, same basis.	lb.	.75 - —
smaller lots, same basis,	lb.	.80 - —
kgs., ton lots, same basis,	lb.	.80 - —
smaller lots, same basis,	lb.	.85 - —
maroon shade, bbls., ton lots, same basis.	lb.	.95 - —
smaller lots, same basis,	lb.	1.00 - —
kgs., ton lots, same basis,	lb.	1.00 - —
smaller lots, same basis,	lb.	1.05 - —
medium shade, bbls., ton lots, same basis.	lb.	.80 - —
small lots, same basis,	lb.	.85 - —
kgs., ton lots, same basis,	lb.	.85 - —
smaller lots, same basis,	lb.	.90 - —
selenide, bbls., dark, works.	lb.	2.50 - —
light, works.	lb.	2.25 - —
Orange, bbls., 100-lb. lots, works.	lb.	1.50 - —
Carmine, 40 1-lb. cns., 500 lbs.	lb.	4.15 - —
dms., 500 lb. lots.	lb.	4.00 - —
100 lb. lots.	lb.	4.10 - —
Crocus martis (see Red, purple oxide).		
Eosin toner, blue shade, bbls.,	lb.	1.55 - —
yellow shade, bbls.	lb.	1.40 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.08¾- —
80%-85%, bbls., same basis.	lb.	.07¼- —
Iron oxide (see Red, oxide).		
Lake C toner, bbls., same basis alizarin lake, contracts.	lb.	1.25 - —
open order.	lb.	1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contra.	lb.	.75 - —
open order.	lb.	.80 - —
Rose lake, bbls.	lb.	.20 - .30
Pink, bbls.	lb.	.15 - .20
Lithol-rubin toner, bbls., same basis alizarin lake.	lb.	1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts.	lb	.40 - —
Oxide (see Red, purple oxide).		
Mercury oxide, tech., dom.	bbls.	1.17 - —
Metallic, bbls., Pa., works.	lb.	.02 - —
Orange, Persian (see O).		
Oxide, pure, bbls., c.l., works,	lb.	.08½- —
l.c.l., works.	lb.	.09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y.	lb.	08¼- —
80% copperas oxide, bbls., same basis.	lb.	.07¾- —
Para toner, concent., kegs, same basis alizarin lake, contracts.	lb.	.75 - —
open order.	lb.	.80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y.	lb.	.04½- .04⅝
ex whse., Chicago, St. Louis.	lb.	.05⅞- —
San Fran., Los Ang., Portland, Seattle.	lb.	.05 - —
Phosphotungstic rhodamine Y, kgs.	lb.	4.15 - —
Purple lake, kegs.	lb.	.60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis.	lb.	.03 - —
Toner, kgs.	lb.	1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake.	lb.	.45 - —
Lake, kgs., same basis alizarin lake.	lb.	.25 - .30
Spanish oxide, bbls., dlvd.	lb.	.03⅝ Nom.
Toluidin toner, kgs., same basis alizarin lake.	lb.	1.35 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis.	lb.	.11 - .40
Venetian, bbls., works.	lb.	.0220- —
10%, bbls., works.	lb.	.0245- —
15%, bbls., works.	lb.	.0255- —
20%, bbls., works.	lb.	.02¾- —
25%, bbls., works.	lb.	.03 - —
30%, bbls., works.	lb.	.03¼- —
35%, bbls., works.	lb.	.0360- —
40%, bbls., works.	lb.	.04 - —
Vermilion, Amer., bbls., same basis alizarin lake.	lb.	.15 - —
English quicksilver, bbls., 500 lb.	lb.	1.45 - —
smaller lots	lb.	1.46 - 1.54
Red dyes are listed under Dyes.		
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more.	lb.	1.42 - —
Red saunders wood, ground, bbls.	lb.	.12 - .17
Resorcinol, tech., dms., works.	lb.	.75 - .80
USP, cryst., bbls., works.	lb.	1.50 - 1.55
Rhatany root, bgs.	lb.	.09 - .10
Rhodinal, bots.	lb.	5.75 -15.00
Rhubarb root, cs.	lb.	.43 - .44
powd., bbls., kgs.	lb.	.48 - .49
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't.	lb.	.17 - —
smaller lots.	lb.	.17½- —
powd., bbls., 5,000 lbs., 1 shipm't.	lb.	.16 - —
smaller lots.	lb.	.16½- —
Rose flowers, pale, bls.	lb.	.30 - .31
Red, bls.	lb.	2.25 - 2.30
Rosemary flowers, bls.	lb.	.35 - .40
Leaves, bls.	lb	.05 - .06
Rosin, gum, B, bbls, ex dock, 280 lbs.		4.75 - —
D, bbls.	280 lbs.	4.85 - —
E, bbls.	280 lbs.	4.85 - —
F, bbls.	280 lbs.	5.75 - —
G, bbls.	280 lbs.	5.75 - —
H, bbls.	280 lbs.	5.75 - —
I, bbls.	280 lbs.	5.75 - —
K, bbls.	280 lbs.	5.75 - —
M, bbls.	280 lbs.	5.85 - —
N, bbls.	280 lbs.	6.25 - —
W. G., bbls.	280 lbs.	7.15 - —
W. W., bbls.	280 lbs.	7.85 - —
X, bbls.	280 lbs.	7.85 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines.	ton.	35.00 - —
l.c.l., ex whse.	ton.	50.00 - —
import., lump., bbls.	lb.	.12 - —
powd., bbls.	lb.	.08½- .10
Rue, bls.	lb.	.21 - .23

S

Sabadilla seed, powd., bbls.	lb.	.19 - .20
Saccharin, dms., 100 lbs.	lb.	1.70 - —
cns., 25 lbs.	lb.	1.73 - 2.05
Safflower, bls.	lb.	.25 - .26
Saffron, Mexican, bls.	lb.	.38 - .40
Spanish, tins.	lb.	23.00 -24.00
Safrol, cns.	lb.	.52 - .53
dms.	lb.	.50 - .51
Sage, Dalmatian, stemless.	lb.	.05¾- .06
garden, bls.	lb.	.06½- .06½
Sago flour, bgs.	lb.	.02½- .03¼
Salicin, bots., 5 lbs.	lb.	5.00 - —
cns., 25 lbs.	lb.	4.75 - —
Salol, gran., bbls., 200 lbs.	lb.	.90 - —
bxs., 25 lbs.	lb.	.93 - —
kgs., 100 lbs.	lb.	.90 - —
powd., fib. dms., 25 lbs.	lb.	1.03 - —
kgs., 100 lbs.	lb.	1.00 - —
Salt, rock, bgs., dlvd., N. Y.	ton.	12.80 -18.20
l.c.l., bgs., dlvd., N. Y.	ton.	15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N. Y.	ton.	15.30 -15.70
l.c.l., dlvd., N. Y.	ton.	16.50 -17.00
Saltcake, grd., dom., bbls., works,	ton.	19.00 -25.00
bulk, works.	ton.	15.00 - —
import, bulk, c.l.f.	ton.	15.00 -16.00
Chrome (see Chrome cake).		
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls.	100 lbs.	7.50 - 8.25
1-9 tons.	100 lbs.	7.65 - 8.40
less than ton lots.	100 lbs.	7.90 - 8.65
gran., bbls., 10-20 tons.	100 lbs.	6.50 - —
1-9 tons.	100 lbs.	6.65 - —
less than ton lots.	100 lbs.	6.90 - —
powd., bbls., 10-20 tons.	100 lbs.	7.50 - —
1-9 tons.	100 lbs.	7.65 - —
less than ton lots.	100 lbs.	7.90 - —
Santonin, cryst., cns.	lb.	21.00 -22.00
Saponin, crude, cns.	lb.	1.45 - —
purified, bots., 5 lbs.	lb.	1.65 - —
cns., 25 lbs.	lb.	1.50 - —
Sarsaparilla root, Honduras, bls.	lb.	.42 - .43
Mexican, bls.	lb.	.16 - .18
Sassafras, bark, ord., bls.	lb.	.13 - .15
select, bls.	lb.	.18 - .20
Savory, bbls.	lb.	.07 - .07½
Saw palmetto berries, bgs.	lb.	.07½- .08
Scammony root, bgs.	lb.	.06 - .07
Schaeffer's salt, bgs.	lb.	.46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't.	lb.	.13¾- —
smaller lots.	lb.	.13⅞- —
kegs, 5,000 lbs., 1 shipm't.	lb.	.13¾- —
smaller lots.	lb.	.14½- —
Senega root, bls.	lb.	.70 - .75
Senna leaves, Alexandria, bls.	lb.	.10 - .14
Tinnevelly, No. 1, bls.	lb.	.09 - .10
2 bls.	lb.	.07 - .08
3, bls.	lb.	.05 - .06
powd., bbls., bxs.	lb.	.09 - .10
siftings, bls.	lb.	.10 - .11
Pods, bls.	lb.	.05½- .06
Serpentaria root, bls.	lb.	1.00 - 1.05
Shellac, bleached, bonedry, bbls., f.o.b., N.Y.	lb.	.16½- .17
dlvd. Boston	lb.	.17 - .17¼
Chicago	lb.	.17½- .18
Pacific Coast	lb.	.19¼- .20
refd., bbls., f.o.b. N. Y.	lb.	.23 - .24
dlvd. Boston	lb.	.23½- .24¼
Chicago	lb.	.24 - .25
Pacific Coast	lb.	.26 - .27
Garnet, bgs.	lb.	.13½- .14
Orange, D.C., VSO., Diamond, cases.	lb.	.20 - .21
superfine, bgs., f.o.b. Bost., N.Y.	lb.	.11½- .12
dlvd. Chicago	lb.	.12 - .12½
Pacific Coast	lb.	.15 - .16
Shellac, T. N., bgs., f.o.b. Bost.,	lb.	.11 - .11½
dlvd. Chicago	lb.	.11½- .12
Pacific Coast	lb.	.14 - .14½
Shellac varnish, orange, 5-lb. cut, bbls.	lb.	.85 - .95
4½-lb. cut, bbls.	gal.	.80 - .90
4-lb. cut, bbls.	gal.	.75 - .85
white, 5-lb. cut, bbls.	gal.	1.00 - 1.10
4½-lb. cut, bbls.	gal.	.95 - 1.05
4-lb. cut, bbls.	gal.	.90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.	ton.	17.00 - —
l.c.l., 2½ tons, works.	ton.	19.00 - —
smaller lots, works.	ton.	20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works.	ton.	18.00 - —
l.c.l., 2½ tons, works.	ton.	19.50 - —
smaller lots, works.	ton.	21.00 - —
400 mesh, bgs., c.l., works,	ton.	35.00 - —
l.c.l., 2½ tons, works.	ton.	36.50 - —
smaller lots, works.	ton.	38.00 - —
96-98%, 3.25 mesh., bgs., c.l., works.	ton.	20.00 - —
l.c.l., 2½ tons, works.	ton.	21.50 - —
smaller lots, works.	ton.	23.00 - —
99%, 325 mesh, bgs., c.l., works.	ton.	22.00 - —
l.c.l., 2½ tons, works.	ton.	25.50 - —
smaller lots.	ton.	27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works.	ton.	11.00 - —
l.c.l., works.	ton.	16.00 - —
Silver bullion	oz.	.44¾- —
Govt. purchase	oz.	.6464- —
Nitrate, vis.	oz.	.31½- .33⅛
Nucleinate, bots., cns., 480 ozs.,	oz.	.30 - .31
Proteinate, bots., cns., 480 ozs.,	oz.	.29 - .30
Simaruba bark, bls.	lb.	.27 - .28
Skatol, bots.	lb.	75.00 -80.00
Skullcap, Eastern, bls.	lb.	.30 - .35
Western, bls.	lb.	.18 - .20
Skunk cabbage root, bls.	lb.	.28 - .29
Slate flour, bgs., c.l., works.	ton.	9.00 - —
l.c.l., works.	ton.	10.00 -15.00
Sloe berries, bgs.	lb.	.09 - .10
Smalt, black, extra velvet, ctns.	lb.	.05 - .08
Blue, cts.	lb.	.07 - .08⅛
Snakeroot, Canad., bls.	lb.	.24 - .26

● When problems arise regarding the use of Liquid Chlorine, EBG customers turn confidently to our staff for expert technical cooperation. For EBG has had longer experience in this kind of work than any firm in America. We were the first to produce Liquid Chlorine in this country ...and the first to adapt its use to water sterilization, textile, paper and other types of bleaching. Do you have problems that call for advanced knowledge? Turn them over to EBG.

ELECTRO BLEACHING GAS COMPANY

MAIN OFFICE: 60 EAST 42nd STREET, NEW YORK, N. Y. • PLANT: NIAGARA FALLS, N. Y.

EBG Liquid Chlorine
FIRST IN THE COUNTRY

"...And I might add, trusting to luck that none of our good competitors are listening, that we achieve this marvelous quality through the use of *Niagara Para*"

P.S. Similar results are easily obtained with Niagara Caustic Soda, Caustic Potash and Carbonate of Potash.

Niagara
ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.

Affiliated with Electro Bleaching Gas Co.
Pioneer Manufacturer of Liquid Chlorine

Soapbark, bls....lb. .07 - .08
crushed, bls., bbls....lb. .11 - .12
cut, bls., bbls....lb. .09 - .10
powd., bbls....lb. .12 - .13
Soda, abietate, dms....lb. .18 - —
Acetate, anhyd., dms., dlvd..lb. .08½- —
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd. ....lb. .04½- .05
Alginate, dms....lb. .69 - —
Antimoniate, bbls....lb. .12¾-- .13¼
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works....lb. .08½- —
Arsenite, dry, gray, dms. c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .13
l.c.l., dms., works....lb. .09¼- .13½
liquid, dms., works....gal. .30 - .33
powd., bbls....lb. .13 - .14

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1....100 lbs. 2.13 - —
2 ....100 lbs. 2.28 - —
3 ....100 lbs. 2.33 - —
4 ....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1....100 lbs. 2.35 - —
2 ....100 lbs. 2.50 - —
3 ....100 lbs. 2.75 - —
4 ....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.08 - —
l.c.l., Zone 1....100 lbs. 2.08 - —
2 ....100 lbs. 2.23 - —
3 ....100 lbs. 2.48 - —
4 ....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.45 - —
l.c.l., Zone 1....100 lbs. 2.45 - —
2 ....100 lbs. 2.60 - —
3 ....100 lbs. 2.85 - —
4 ....100 lbs. 3.25 - —
l.c.l., Zone 1....100 lbs. 2.45 - —
bulk, c.l....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.06
l.c.l., Zone 1....100 lbs. 2.08 - —
2 ....100 lbs. 2.23 - —
3 ....100 lbs. 2.48 - —
4 ....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1....100 lbs. 2.35 - —
2 ....100 lbs. 2.50 - —
3 ....100 lbs. 2.75 - —
4 ....100 lbs. 3.15 - —
bulk, c.l....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs....lb. .40 - —
900 lbs. or less....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs....lb. .47 - —
900 lbs. or less....lb. .50 - —
dms, 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs....lb. .48 - .49
900 lbs. or less....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works.. 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l....100 lbs. 2.10 - —
l.c.l., dlvd. N. Y...100 lbs. 2.76 - —
Bichromate, spot, c.l., works lb. .06¼- —
6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls....lb. .12½- .15
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works.100 lbs. 1.55 - —
38 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works.. 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works 100 lbs. 1.80 - —
Bromide, USP, gran, bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs....lb. .32 - —
Cacodylate, bots., 5 lbs....lb. 5.81 - —
jars, 25 lbs....lb. 5.50 - —
Carbonate (see Soda ash, soda monohydrated, soda sesqui)
Caustic, flake, 76% l, gr., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 ....100 lbs. 3.70 - 5.05
3 ....100 lbs. 3.95 - 5.30
4 ....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.95 - —
seller's tanks, works, 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l. ,works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 ....100 lbs. 3.30 - —
3 ....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works....lb. .06½- —
powd., bgs., c.l,, works..lb. .06½- —
l.c.l., works....lb. .07 - .08½
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .20 - —
cns., 50 lbs....lb. .22 - —
25 lbs....lb. .24 - .25
kgs., 100 lbs....lb. .21 - —
USP X, gran., bbls., 250 lbs. lb. .26½- —
cns., 50 lbs....lb. .28½- —
25 lbs....lb. .30½- .31½
kgs., 100 lbs....lb. .27 - —
Soda, citrate, USPX, powd., bbls., 250 lbs..lb. .27 - —
cns., 50 lbs....lb. .29 - —
25 lbs....lb. .31 - .32
kgs., 100 lbs....lb. .28 - —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import., cs....lb. .12¾- .13¾
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis....lb. .08½- —
1-4, same basis....lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08- —
5-9 same basis....lb. .08½- —
1-4, same basis....lb. .08¾- —

Soda fluoride prices at Los Angeles are f.a.s. Phila.

Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots....lb. 1.15 - —
cns., 25 lbs....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.. lb. 1.05 - —
smaller lots....lb. 1.20 - —
cns., 25 lbs....lb. 1.45 - —
Hydrosulphite, bbls....lb. .16 - .17
Hydroxide, USP., sticks, cns., 160 lbs..lb. .23 - .24
Hypophosphite, N.F., cns.... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lb. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks, frt. equal'd 100 lbs. 2.60 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works....100 lbs. 2.80 - —
dms., works....100 lbs. 3.10 - —
5,000 lbs., and over, bgs., wks..100 lbs. 2.75 - 3.00
bbls., wks....100 lbs. 2.95 - 3.20
dms., wks....100 lbs. 3.25 - 3.50
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks....100 lbs. 3.05 - 3.30
dms., wks....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks, 100 lbs. 3.10 - 3.35
bbls., wks....100 lbs. 3.30 - 3.55
dms., wks....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks....100 lbs. 3.90 - 4.15
dms., wks....100 lbs. 4.20 - 4.45
Iodate, jars....lb. 5.02 - 5.07
Iodide, jars....lb. 1.90 - 1.95
Mandelate, bots., 5 lbs....lb. 3.30 - —
jars, 25 lbs....lb. 3.20 - —
Metantilate, kgs....lb. .41 Nom.
Metasilicate, anhy., chip, bgs., dms., c.l., works.... 100 lbs. 3.00 - —
l.c.l., works....100 lbs. 3.25 - —
ground, dms., c.l., works.. 100 lbs. 3.15 - —
l.c.l., works....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., works.100 lbs. 2.20 - —
Molybdate, kgs., wks....lb. .60 - —
less kgs....lb. .65 - —
Monohydrated, bbls....100 lbs. 2.60 - —
works....100 lbs. 2.30 - —
Naphthionate, bbls....lb. .52 - .54
Nitrate, crude, c.l., 100-lb. bgs., Apr.-June delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis... ton.28.30 - —
bulk, same basis....ton.27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons....100 lbs. 2.65 - —
smaller lots....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized.lb. .06¾- —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08 - —
l.c.l....lb. .08¼- .11¼

Soda nitrite l.c.l. price range represents delivery at various points.

Oxalate, neut., bbls....lb. .09 - —
kgs....lb. .11 - —
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l works....lb. .15¾- —
Phosphate, dibasic, tech., bgs., c.l., works.100 lbs. 1.85 - —
c.l., works..100 lbs. 1.85 - —
l.c.l., works....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works....100 lbs. 2.40 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l. ....100 lbs. 8.20 - —
tribasic, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works....100 lbs. 3.10 - —
Picramate, kgs....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .09½- .10
Pyrophosphate, anhyd., c.l. bgs. 100 lbs. 8.00 - —
bbls. ....100 lbs. 8.20 - —
l.c.l., bgs....100 lbs. 8.80 - 9.05
bbls. ....100 lbs. 9.00 - 9.25
crystals, bgs....100 lbs. 7.80 - —
bbls, ...100 lbs. 8.00 - —
l.c.l., bgs....100 lbs. 8.30 - 8.55
bbls. ....100 lbs. 8.50 - 8.75

Soda pyrophosphate anhydrous and crystal prices are delvd.—Me., N. H., Vt., Mass., Conn., N. J., N. Y., R. I., Del., Md., D. of C., and Pa., east of Altoona. Other territory, f.o.b. works, for equalized with producing points.

Ricinoleate, tech., bbls....lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works ....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works ....100 lbs. 1.10 - —
Salicylate, bbls....lb. .52 - —
Sesquisilicate, dms., c.l., works. 100 lbs. 3.00 - —

20 dms. and up, dlvd.N.Y.C. 100 lbs. 3.65 - —
5-19 dms....100 lbs. 4.10 - —
1-4 dms....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works.. 100 lbs. 1.05 - —
1-4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works.. 100 lbs. 1.65 - —
1-4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .05¾- .06
import., bbls. ....lb. .05 - .05¼
Stannate, dms. ....lb. .27 - .30
Stearate, lump, powd., bbls., works..lb. .24 - —
Soda, sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65

5 tons or over, works.... 100 lbs. 1.70 - 1.90

less than 5 tons, works... 100 lbs. 1.95 - 2.15

cryst. (see Glauber's salt).

Sulphide cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd.. 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works.. 100 lbs. 2.10 - 2.35
bbls. ....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 ....100 lbs. 6.00 - —
Sulphocarbolate, cs....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs....lb. 2.00 - 2.10
tech., kgs....lb. 1.30 - 1.35
Solvent naphtha, high-flash, dms., works, frt. equald..gal. .36 - —
tanks, same basis....gal. .31 - —
water-white, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .30 - —
W. of Omaha, works.gal. .30 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .18 - —
l.c.l. ....lb. .19- —
Sparteine sulphate, cns....oz. 1.00 - 1.05
Spearmint leaves, bls....lb. .19 - .20
Spikenard root, bls....lb. .12 - .13
Spruce extract, bbls., works...lb. .01¾- —
tanks, works....lb. .01¾- —
powd., bgs....lb. .04 - —
super, bbls., works....lb. .01¾- —
tanks, works....lb. .01¾- —
Squawvine leaves, bls....lb. .16 - .17
Squill red, bls....lb. .14 - .15
White, bls....lb. .06 - .07
powd., bbls., bxs....lb. .12 - .13
St. Ignatius beans, bgs....lb. .45 - .50
St. John's bread, bls....lb. .06½- .07
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.60 - 2.50
powd., bgs., f.o.b. Chicago, 100 lbs. 2.70 - 2.90
Potato, dom., bgs....lb. .04 - .05
import, bgs....lb. .05 - .06
Rice, bbls....lb. .06¼- .07¼
Wheat, thick boil, bbls....lb. .06¼Nom.
Staveacre seed, bgs....lb. .17 - .18
Stearin, oleo, bbls....lb. .06¾- .07
Stillingia root, bls.... ....lb. .09 - .10
Stoneroot, bls....lb. .07½- .08
Storax, cs....lb. .48 - .49
Stramonium leaves, bls....lb. .10½- .12
Seed, bgs....lb. .09 - .10
Strontium bromide, fib, dms..lb. .57 - .58
kgs., 150 lbs....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs....lb. .35 - —
100-lb. kgs....lb. .32 - —
Strontium chloride, bbls....lb. .13½- —
Iodide, jars, 25 lbs....lb. 2.70 - —
bots., 5 lbs....lb. 2.75 - —
Nitrate, dom., bbls., c.l., works..lb. .08¼- —
25 bbls. and over....lb. .08¾- —
1-4 bbls. and over....lb. .09¼- —
import, bbls....lb. .08¼- .09¼
Strophanthus seed, Kombe, bgs.lb. 1.20 - 1.25
Strychnine, cryst., cns., 100-oz. lots..oz. .89 - —
powd., cns., 100-oz. lots...oz. .29 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .57 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .57 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .57 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .68 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .50 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .35 - —
powd., cns., 100-oz. lots, oz. .25 - —
Styralyl acetate, bots....lb. 6.75 - 7.00
Sucrose octa-acetate, denat., grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls....gal. .70 - 1.10
Milk., bbls., c.l....lb. .15 - —
l.c.l., 10 or over....lb. .16 - —
less than 10....lb. .17 - —
Sulfanilamide, 5 lb. bots....lb. 2.20 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs....lb. 1.30 - —
Sulphonethylmethane, kgs....lb. 6.75 - 6.80
Sulphonmethane, kgs....lb. 5.25 - 5.30
Sulhpur, crude, bulk, 1,000 tons, mines, contracts, long ton.18.00 - —
c.l., spot, nearby, long ton.21.00 - —
Sulphur, crude, bulk, ex vessel, Balto., N. Y., Phila., Southern ports..long tons.22.00 -25.00
Bost., Portland..long ton.22.50 -25.50
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works....100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 3.25 - 3.75
bbls., wks....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works. 100 lbs. 2.15 - —
bbls., works....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.60
bbls., works....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.95 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works....100 lbs. 2.60 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bgs, c.l., works.100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..... 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l....lb. .07 - —
l.c.l. ....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide bots., jars....lb. 3.80 - 3.85

Soapbark—Titanium

Sumac, grd., Sicilian, bls....ton.64.00 - —
leaf, bales....ton.67.00 - —
Extract, 42°, bbls....lb. .05¼- .06¼
51°, bbls....lb. .06½- .08½
stainless, bbls....lb. .06½- .08½
Sunflower seed, Calif., large, bgs., lb. .06 - .06¼
medium, bgs. ....lb. .04½- .05
poultry, bgs....lb. .03½- .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .75 Nom.

T

Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills....ton.17.00 - —
N. Y., fibrous, 93-94%, 326 mesh, bgs., c.l., mills. ton.14.00 - —
l.c.l., mills....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills....ton.17.00 - —
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25- —
l.c.l., mills....ton.17.25 - —
99.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills....ton.24.00 - —
Vermont, bgs., c.l., mills, ton.14.00 - —
l.c.l., ex whse....ton.25.00 - —
Canad., bgs., c.l., mills....ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival..ton.65.00 -67.00
ex whse....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls....lb. .06¼ Nom.
extra, loose, works....lb. .05½- —
special, loose, works....lb. .04⅝- —
sulphonated 55% (34% fat), dms., c.l..lb. .05 - .05½
l.c.l ....lb. .06 - .06½
50% (43% fat) dms., c.l..lb. .07 - .07½
l.c.l. ....lb. .08 - .08½
50% (45% fat), dms., c.l..lb. .07½- .08
l.c.l. ....lb. .08½- .09
Tamarinds, W. I., bbls....lb. .06 - .06¼
kegs ....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton. 2.70 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk..... unit-ton. 2.65 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.50 & .10
high-grade feeding, bulk, Chicago..unit-ton. 2.75 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports ship. unit-ton. 3.00 & .10
Tansy leaves, bls....lb. .18 - .19
Tapioca, flour, bgs....lb. .02 - .05½
Tar acid oil, 15%, dms., c.l., works..gal. .22½- —
l.c.l., same basis....gal. .25½- —
25%, dms., c.l., works....gal. .26½- —
l.c.l., same basis....gal. .29½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd., ports....gal. .25 - —
l.c.l. ....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .20¾- —
less than 5....lb. .27 - —
powd., bbls., 5 or more..lb. .20¾- —
less than 5....lb. .27 - —
USP, powd., bbls....lb. .32 - .32½
Terebene, cans....lb. .70 - .75
Terpinyl acetate, cns....lb. .77 - 1.00
Terpin hydrate, kgs....lb. .45 - .46
Terpineol, CP, cns....lb. .25 - —
dms. ....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .09 - .06½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms....lb. .09½- —
Tetralin, dms....lb. .12 - —
Thallium sulphate, 90% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns....lb. 2.10 - 2.40
Sodiosalicylate, cns....lb. 1.75 - 1.85
5-lb. bots. ....lb. 2.01 - —
Thiocarbanilide, dms....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls....lb. .17 - .17½
Thymol, dms., 100 lbs....lb. 1.50 - —
cns., 25 lbs....lb. 1.55 - —
Iodide, kgs., 50 lbs....lb. 3.15 - 3.20
25 lbs....lb. 3.25 - 3.30
Tin crystals, bbls., kgs....lb. .32 - .32½
Metal, Straits....lb. .38 - —
Oxide, bbls....lb. .46 - .48
Tetrachloride, anhyd., bbls..lb. .19¾- —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .16 - —
Pac, cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse....lb. .16½- —
50-999 lbs., E, dlvd....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd....lb. .17 - —
phthalate-treated, bgs., c.l., (20 tons) E. frt. alld..lb. .24 - —
Pac. cst., f.o.b. terminal..lb. .24 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24½- —
Pac. cst., ex whse..lb. .24½- —
50-999 lbs., E. dlvd....lb. .24¾- —
Pac. cst., ex whse...lb. .24¾- —
under 50 lbs....lb. .27 - —
bbls., c.l. (20 tons) E. frt. alld..lb. .24¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24¾- —
50-999 lbs., E. dlvd...lb. .25 - —

Titanium Pigment—Xylol

Titanium, pigment, barium, calcium, or magnesium base, c.l., E. frt. alld. lb. .05⅞- —
Pac. cst., f.o.b. terminal, lb. .05⅞- —
l.c.l., E. dlvd. lb. .06¼- —
Pac. cst., ex whse. lb. .05⅞- —
under 50 lbs., E. dlvd. lb. .06¼- —
bbls., c.l., E., frt. alld. lb. .06¼- —
l.c.l., E. dlvd. lb. .06¾- —
Tolidin base, kgs. lb. .88 - .90
distilled, kgs. lb. .95 - 1.00
Tolu, balsam, cns. /lb. .45 - .50
Toluidin, mixed, dms. lb. .26 - —
Toluol (toluene), pure, dms., works. gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works. gal. .30 - —
Tonga vine, NF, bls. lb. .26 - .27
root, bls. lb. .30 - .31
Tonka beans, Angostura, cks. lb. 2.50 - 2.60
Triacetin, dms. lb. .26 - —
Triamyl borate, dms., l.c.l., works. lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works. lb. .80 - —
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A. lb. .09 - —
l.c.l., dms. lb. .095 - —
Zone B, c.l. lb. .105 - —
l.c.l., dms. lb. .110 - —
Zone C, dms., l.c.l. lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.

Tricresyl phosphate, CP, cns., dlvd. lb. .42 - .58
dms., c.l., dlvd. lb. .36 - —
500 lbs., dlvd. lb. .39 - —
tech., 1, dms., c.l. lb. .24½- —
500 lbs., dms. lb. .25 - —
less than 500 lbs., dms. lb. .28 - .39
2, dms., c.l. lb. .23½- —
500 lbs., dms. lb. .24 - —
less than 500 lbs. lb. .27 - .38
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works. lb. .22 - —
tanks, works. lb. .20 - —
Triethyleneglycol, dms., l.c.l., works. lb. .26 - —
Triphenyl phosphate, dms. lb. .34 - —
Tripoli, air-floated, bgs., c.l., works. ton.26.00 - —
double-grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works. ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 98%, dms., wks. lb. 2.80 - 3.10
Oxide, CP, kgs. lb. 2.90 - 3.00
tech., kgs. lb. 2.10 - 2.20
Turmeric root, Alleppey, bgs. lb. .05¾- .06¼
Madras, bgs. lb. .06½- .07
Turpentine, spirits, gum, bbls., c.l., ex dock. gal. .28½- —
l.c.l., 10, ex dock. gal. .30½- —
5, ex dock. gal. .32½- —
wood, dest.-dist., dms., c.l., dlvd. E. cities, ports. gal. .36 - —
l.c.l., same basis. gal. .38 - —
tanks, dlvd. E. cities. gal. .33 - —
steam-dist., dms., c.l., dlvd. gal. .27 - —
l.c.l., dlvd. gal. .30 - —
tanks, dlvd. gal. .22 - —

U

Unicorn root, false (see Helonias root). True (see Aletris root).
Uranium oxide, kgs. lb. 1.60 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va. ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va. ton.95.00 - —
f.o.b. N. Y. ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt. ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse. 101.00 - —
pure, cs. lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, NH_3 unit. 1.04 - —
Uva ursi leaves, bls. lb. .11 - .13

V

Valerian root, bls. lb. .10 - .11
Valonia, beards, bgs., shipt. ton.49.00 - —
Cups, bgs., shipt. ton.35.00 -37.00
extract, powdered, 63%. lb. .06 - —
Vanilla beans, Bourbon, tins. lb. 3.35 - 3.75
Mexican, tins. lb. 4.25 - 4.50
cut, tins. lb. 3.35 - 3.75
South American, tins. lb. 3.60 - 3.75
Vanillin, ex eugenol, 25-lb. tins, lb. 2.75 - —
5-lb. tins lb. 2.85 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs. lb. .42 - .44
Verdigris, bbls., kgs. lb. .24 - .30
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls. lb. .48 - .49
Tree bark, bls. lb. .22 - .23
Wattle bark, bgs., shipt. ton.39.75 -41.75
Extract, bbls. lb. .04⅜- —
Wax, bayberry, import, bgs. lb. .16⅜- .17
Bees, white, bleach, slabs, cs., 500 lbs. .38 - .39
yellow, crude, Africa, bgs., lots of 10. lb. .24 - .25
1 bg. lb. .24½- .25½
Brazil, Chile, bgs., 5-10 tons, lb. .25½- .26
1 ton. lb. .26 - .26¼
500 lbs. lb. .26½- .27
100 lbs. lb. .27 - .27½
refd., slabs, cs., lbs. lb. .29 - .32
Candelilla, bgs., 1 ton. lb. .14½- .15
jobbing lots lb. .15 - .15½
Carnauba, No. 3, bgs., chalky, 1 ton. lb. .32½- .33
5 bgs lb. .33 - .33½
1 bg lb. .33½- .34
N. C. 2, bgs. lb. .35½- .36
N. C. 3, bgs., 1 ton. lb. .32½- .33
5 bgs. lb. .33 - .33½
1 bg lb. .33½- .34
refined, bgs. lb. .35 - .35½
yellow, No. 1, bgs., 1 ton. lb. .38 - .38½
5 bgs. lb. .38½- .39
1 bg. lb. .39 - .39½
No. 2, bgs. lb. .37 - .37½
Ceresin, dom., 138°140° m.p., bgs., 1 ton. lb. .08½- —
jobbing lots lb. .09½- —
150°-160° m.p., bgs., 1 ton. lb. .09½- —
jobbing lots lb. .10½- —
160° m.p., bgs., 1 ton. lb. .10½- —
jobbing lots lb. .11½- —
Japan, cs. lb. .10 - .10¼
Montan, bgs., c.l. lb. .11 - —
5 tons lb. .11¼- .11½
less than 1 ton. lb. .11½- .12
Ozokerite, hard green, congeal p. 66°-68° C., bgs. lb. 62 Nom.
70°-72° C., bgs. lb. .35 Nom.
74°-76° C., bgs. lb. .38 Nom.
snow-white, pure 76°-78° C., bgs. lb. .45 - .46
yellow, natural, 76°-78° C., bgs. lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs. lb. .23 - .24
cakes, cs. lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls. lb. .06 - .06¼
White precipitate, powd., 5-lb. bots. lb. 1.51 - —
dms., 50 lbs., or more. lb. 1.38 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works. ton.12.00 - —
l.c.l., works. ton.14.00 - —
bbls., c.l., works. ton.15.00 -16.50
l.c.l., works. ton.17.00 - —
pap bgs., c.l., works. ton.11.20 -13.50
l.c.l., works. ton.13.20 -14.50
wet-grnd., blp., bgs., c.l., works. ton.14.50 -15.00
l.c.l., works. ton.15.00 -19.00
bbls., c.l., works. ton.17.00 -18.00
gilder's bolted, blp., bgs., c.l., works. ton.15.00 - —
l.c.l., works. ton.16.00 - —
bbls., c.l., works. ton.18.00 -19.50
l.c.l., works. ton.19.00 -20.00
pap. bgs., c.l., works. ton.14.60 -15.50
l.c.l., works. ton.15.60 -16.50
extra bolted, blp., bgs., c.l., works. ton.15.00 - —
l.c.l., works. ton.16.00 - —
bbls., c.l., works. ton.18.00 -22.50
l.c.l., works. ton.19.00 -22.00
pap. bgs., c.l., works. ton.14.60 -17.50
l.c.l., works. ton.15.60 -18.50
Paris white, blp., bgs., c.l., works. ton.15.00 - —
l.c.l., works. ton.16.00 - —
bbls., c.l., works. ton.18.60 -24.00
l.c.l., works. ton.19.00 -25.00
pap. bgs., c.l., works. ton.14.60 -20.00
l.c.l., works. ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton. 9.25 - —
99.75% 200 mesh, paper bgs., c.l., same basis. ton. 8.60 - —
99% 200 mesh, paper bgs., c.l., same basis. ton. 6.25 - —
gilders, bgs. (extra), c.l., works. ton.11.50 - —
l.c.l., 8-20 tons, works. ton.12.50 - —
4-8 tons, works. ton.13.50 - —
2-4 tons, works. ton.14.50 - —
extra, bgs., (extra), c.l., works. ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works. ton.14.50 - —
2-4 tons, works. ton.15.50 - —
putty grade, bgs. (extra), c.l., works. ton.11.00 - —
l.c.l., 8-20 tons, works. ton.12.00 - —
4-8 tons, works. ton.13.00 - —
2-4 tons, works. ton.14.00 - —
water-floated, bgs., (extra), c.l., works. ton.11.50 - —
l.c.l., 8-20 tons, works. ton.12.50 - —
4-8 tons, works. ton.13.50 - —
2-4 tons, works. ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works. ton.20.00 - —
smaller lots, works. ton.25.00 - —
Wild cherry bark, thick, natural, bls. lb. .04½- .05
rossed, bls. lb. .06 - .07
thin, natural, bls. lb. .06 - .07
rossed, green, bls. lb. .10 - .11
Wild indigo root, bgs. lb. .09 - .10
Witch-hazel extract, dist., NF. bbls. gal. .46 - .45
Leaves, bls. lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works. ton.25.00 - —
standard, bgs., c.l., works. ton.20.00 - —
import, 40-60 mesh, bgs., ex dock. ton.20.00 - —
70-80 mesh, bgs., ex dock. ton.22.00 - —
100 mesh, bgs., ex dock. ton.27.00 - —
120 mesh, bgs., ex dock. ton.33.00 - —
Wormseed, American, bgs. lb. .10 - .11
Levant, bgs. lb. 3.90 - 4.00
Wormwood, bls. lb. .08 - .09

X

Xylol (xylene), coml., dms., works. gal. .35 - —
tanks, E. of Omaha, frt. alld., gal. .30 - —
W. of Omaha, works. gal. .30 - —
nitration tanks, E. of Omaha frt. alld. gal. .41 - —
W. of Omaha, works. gal. .41 - —
5°, dms., works. gal. .41 - —
tanks, E. of Omaha, frt., alld., gal. .36 - —
W. of Omaha, works. gal. .36 - —

TECHNICAL CONTROL
Color
Uniformity of color in the four basic pigments is characteristic of Mapico Colors. Constant routine rub-outs, control the color development in the manufacturing process and assure the adherence to close color standards in the final product.
Technical inquiry is invited
Pure Oxides of Iron
MAPICO COLORS
YELLOWS · BROWNS
REDS · BLACK
MAGNETIC PIGMENT CO.
BINNEY & SMITH CO., Distributors
41 East 42nd St. • New York, N. Y.
DIVISION OF COLUMBIAN CARBON COMPANY

Xylol, 10°, dms., works.....lb. .38 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. of Omaha, works....gal. .33 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.30
Yellow, cadmium, CP, inport., bxs..lb. 1.80 - 2.50
lithopone, all shades, bbls., 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. 1.50 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
open order.....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01¼- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import. lb. .02475- —
New York (f.o.b.)..lb. .02¾- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto., Boston, N. Orleans...lb. .02575- —
New York.....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03½- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03¾- —
Mnneapolis .....lb. .03½- —
New York.....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle...lb. .03¾- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y., from dock. lb. .02¾- —
from whse.....lb. .02¾- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y. lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06¼ —
l.c.l., works .....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP, contracts..lb. .18 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .08½- .10
Yohimbine hydrochloride, vls..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., dlvd., lb. .21 - —
USP., bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, bgs., cs., c.l., dealers. E. of Rockies..lb. .12½- —
c.l., bgs., cs.....lb. .13 - —
Arsenite, bgs., cs., c.l., dealers. E. of Rockies..lb. .12½- —
W. of Rockies, bgs....lb. .12½- —
l.c.l., bgs., cs.....lb. .13 - —
W. of Rockies, bgs....lb. .12¾- —
Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck, allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .15
USP, precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP., 200 lb. dms.....lb. .25 - —
25 lb. jars.....lb. .31 - —
solut., dms., wks.....lb. .04½- —
tanks .....lb. .0226- —
Cyanide, kgs., works.....lbfl .33 - —
Dust, bbls., c.l., dlvd.....lb. .06 - —
l.c.l., bbls., dlvd.....lb. .06½- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.15 - —
jars .....lb. 4.00 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead-free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst., lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac.cst.lb. .06¾- —
35%, bgs., c.l., dlvd.lb. .05¾- —
l.c.l., dlvd., except Pac. cst..lb. .06 - —
ex whse., Pac. cst.lb. .06 - —
Zinc, oxide, pigment, dom., Amer. process leaded, 35%, bbls., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
50%, bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd., except Pac. cst..lb. .06 - —
ex whse., Pac. cst.lb. .06 - —
bbls., c.l., dlvd....lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
French process, coml., lead-free, bgs., c.l., dlvd., bbls., c.l., dlvd....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst.lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
green seal, bgs., c.l., dlvd., lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst..lb. .08½- —
red seal, bgs., c.l., dlvd., lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd., lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
Zinc, oxide, pigment, dom., French process, white seal, bbls., c.l...lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
import., gold seal, cks, ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12½
Oxide, USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .23 - .25
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs..lb. .23 - —
USP, bbls.....lb. .21 - .23
Sulphate, cryst., bgs., c.l.100 lbs. 2.75 - —
l.c.l. .....100 lbs. 2.50 - —
bbls., c.l. .....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 2.65 - —
flake, bgs., c.l. .....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l. .....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
powd., bgs., c.l. .....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l. .....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09¼- —
bbls., c.l. (20 tons), dlvd..lb. .09¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09¼- —
Sulphocarbolate, NF, bbls...lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —

Xylol—Zirconium

Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works..ton.75.00 -100.00
kgs., small lots, works...lb. .04¼- .04½
white, 98%, rgd., kgs., works, lb. 1 40 - 1.52

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the April 4 issue; the next printing will be in the May 2 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish, and Lacquer Materials Market, which begins on page 33.

NEW

New Jersey zinc

ZINC SULFIDE

CRYPTONE ZS-30

BETTER

- COLOR
- BRIGHTNESS
- TINTING STRENGTH
- HIDING POWER
- DARK VEHICLE COLOR
- VALUE

THE NEW JERSEY ZINC COMPANY

160 Front Street, New York, N. Y.

Please send a____lb. sample of your new ZINC SULFIDE, Cryptone ZS-30 to:

Name_____

Address_____

Oil, Paint and Drug Reporter

Founded October 18, 1871, by
William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc., Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1938, by
Oil, Paint and Drug Publishing Company, Inc.

Vol. 133 April 18, 1938 Number 16

Manning Not Priming

President Roosevelt has called again on Congress to appropriate additional billions of dollars for governmental spending to "prime the pump." It is high time that a distinct understanding was reached with reference to why priming of the pump again has become undeniably indicated.

Some of the opposition already voiced by members of Congress to the resumption of pump priming advances the point that the plan will not work because there is no water in the well. This is a serious error. There is water in the well; there always has been water in the well. Those who believe that water cannot be got for further pump priming disregard one fact—that there will be water as long as the United States has any resources in credit or materials—and they fail woefully to face the problem of where they will be when the United States shall have exhausted its resources.

Today's conditions pose the same question that has been before the nation for almost a decade: Who should be using the resources of the country—its government or its business? These resources have been used; they are being used; they will be used—and their use is left far too largely in the hands of government. The word, "left," is used advisedly, for business can take the use of the national resources—money, men, and materials — out of the hands of government by doing what always gets rid of undesirable competition—doing the job better and at a lower cost. There can be no question that business can do a better job, and can do it with less cost to the people and to itself; for it must provide the money that the people must pay.

The government can continue to prime the pump for some time. It might conceivably take over wholly the operating of the pump. There is one way in which this can be prevented, in which further priming of the pump can be precluded. This is by manning the pump and operating it at full capacity.

When business heartily turns to the using of the men, money, and materials of the nation as they should be and can be used, government will find its occupation gone. There is too much benighting optimism in believing that it will get tired of its job if merely growled at.

No Law for Guinea-Pigs

The disastrous results of the use of a tetanus-contaminated serum in the treatment of cancer add to the evidence presented by the sulphanilamide elixir deaths that there is need for stronger laws to protect the public in the use of drugs. The latest disaster is clearly indicative that this need calls for broad, fearless, impartial extension of the statutory protection now afforded. It proves that, not only in the sale of drugs, does danger to the public lie.

The contaminated cancer serum was beyond the law, because it was not an article of commerce and was supplied solely for experimental use by physicians. It is granted that experimental medicine should not be so subjected to regulation that the progress of medical science would be hampered. But, the medical profession, even in its more highly trained division of experimental work, has no extralegal prerogative that can or should exempt drugs of any therapeutic category, which it employs, from the requirement that they be safe for use.

Synthetic chemical drugs of unknown toxicity, biological agents of unascertained purity, are no safer in the hands of medical practitioners or experimenters than they are when the public is exposed in any other manner to their hazards. Laboratory assurances of safety must precede clinical experimentation, the desirability of which cannot be questioned. Physicians enlisted for clinical experimentation are not usually equipped to determine for themselves the safety of the drugs with which their search for data is to be conducted. They must rely on the integrity and the caution of the manufacturer. The law should make these inevitable.

No elaborate system of factory inspection is required to assure the safety of medicinal agents. In fact, it could not be relied on to provide full assurance. Substantial evidence that the necessary care in every respect has been exercised would suffice. And this should be required no less for the protection of clinical guinea-pigs than for the purchaser of a drug at a retailer's counter.

—O-P-D—

Subsidies For Exports

The mayor of this city, venturing into the realms of national political economy, as he is in many respects well qualified to do, has proposed that the Federal government subsidize export trade with Latin America. Development of that trade is highly desirable, but the American people already has more than enough of subsidies.

It should not be difficult to discern that this surfeit affects American business, as well as the public as a whole. The government is contributing far too much to the support of business; when it should instead be doing more to enable business to support itself.

American exporters are holding their own in trade with Latin America; in truth, they are expanding this business closely in line with increases made therein by European countries. They would be greatly assisted by one thing: improvement and stabilization of the exchange relations between this country and those of Latin America. This need, in spite of much popular opinion, rests at least as much on the financial division of business as it does on the government. American banking has never adequately served American exporters in Latin American trade.

There is a social side also to the problem of developing trade with Latin America. Those branches of business in the United States which have recognized this and acted as plainly perceptible conditions indicated, have long enjoyed, and do now enjoy a substantial trade in the markets that they have seen fit to cultivate. If there is one place in business where it is particularly true that "the customer is always right," it is in export trade, and in no markets is this more important than in those of Latin America. It cannot logically be said that the customs of Latin Americans require some special racial qualification for their proper appreciation. The larger share of European trade with Latin America is not held by the parent or other Latinic countries.

Other countries, it is sometimes correctly argued, grant subsidies to their businesses for the development of trade with Latin America. It is all too frequently true that this paternalism of government has been followed by an extension of the role to embrace dictatorial control of business as a whole, and of nations as well. It must not be disregarded that this trend follows the trade, and that propaganda of dictatorship reaches into export markets. This is not, certainly for business, a reason why other governments should take the first step of subsidization. Business is far healthier and can expect a far longer life when it does its own development work — at home, as well as abroad.

—O-P-D—

Alcohol in Whisky

Whisky has a dual status under the Federal food and drugs act: it is a drug and it is a food. When it is a drug—its status is often difficult to determine in practice—it must conform with the standards laid down in the United States Pharmacopeia; it must be a spirituous distillate of grains. When whisky is a food, it may, since the Taft decision of 1910, consist in greater or less part of neutral spirits, or dilute alcohol, derived from any source.

It is proposed in the pending congressional bill of a new food and drugs act that all the alcohol in whisky, the food, must be a distillate of grains. This proposal has revived the controversy on what is whisky, and much expression of opinion is heard from the opposing schools. Opposition to the proposal is largely sentimental, historical, or theoretical. On the practical, present-day side, it is clear that many who use whisky prefer a beverage with less of the flavor characteristic of the ester-containing distillate of grains.

It is not proposed that whisky, the food, shall be straight whisky or a mixture of straight whiskies of complementary characteristics. The use of dilute alcohol as a component of whisky is to be permitted. Alcohol is alcohol — ethyl alcohol—and dilute alcohol is merely a mixture of alcohol and water. It does not contain any appreciable proportion of the esters of the higher alcohols which give straight whisky its peculiar flavor and aroma. It is, for all practical purposes, insofar as general chemical and physical properties are concerned or human senses can detect, the same thing, whether it be distilled from grain, from sugar, or from molasses, or made synthetically.

There is no reason, except a sop to certain branches of agriculture, why the alcohol that may be introduced into whisky as neutral spirits, should be made only from grain. And that reason is not a sound basis of a Federal pure food law—it adds nothing in the way of purity. And the latest distinction made between the food law and the alcohol control law merely adds confusion.

MANUFACTURING CHEMISTS SINCE 1849

PFIZER QUALITY

TARTARIC ACID

TARTAR EMETIC

ROCHELLE SALT

CREAM TARTAR

CHAS. PFIZER & CO., INC.

81 MAIDEN LANE, NEW YORK

444 W. GRAND AVE., CHICAGO, ILL.

Mathieson Alkali Earnings In First Quarter Lower

The Mathieson Alkali Works, Inc., reports for quarter ended March 31, 1938, net income of $172,400 after charges, including Federal income, undistributed profit and capital stock taxes, equal after preferred dividends to 16c. a share on 828,181 common shares, against $477,052 or 52c. a share on 830,428 common shares in 1937 quarter.

About one-half of the earnings for the first three months of this year were contributed by March, E. M. Allen, president, told stockholders in an accompanying letter.

Mr. Allen said that in the face of the present serious business depression, the operating results for the first quarter were almost 10 percent better than for the last quarter of 1937. An encouraging improvement was noticeable in the last month of the quarter, he said, the earnings for March amounting to about one-half of the earnings for the whole quarter.

Carnegie Tech Names Warner Chemistry Head

Dr. J. C. Warner, an authority on physical chemistry, has been appointed professor of chemistry and head of the chemistry department of Carnegie Institute of Technology, Pittsburgh. The appointment becomes effective July 1, 1938.

Dr. Warner, associate professor of metallurgy at Carnegie Institute, will succeed Dr. J. H. James, who will retire at the end of this session. Dr. Warner attended Indiana University, where he received the A.B., M.A., and Ph.A. degrees. He is a member of the American Chemical Society, the Electrochemical Society, the American Institute of Mining and Metallurgical Engineers, and the American Society for Metals.

Tau Beta Pi Fellowship Won by N.Y.U. Student

Mason, Lindsay, a senior chemical engineering student in the College of Engineering of New York University, has been awarded a $1,000 fellowship by Tau Beta Pi, national honorary engineering society. The award was made on the basis of scholarship, ability to carry on original research and indications of professional promise. Mr. Lindsay plans to enter the Massachusetts Institute of Technology.

Magnesite Output Slightly Lower in 1937

The apparent consumption of dead-burned magnesite for refractory uses increased 5 percent in 1937 to a new all-time record. The oncoming recession, however, fell first upon domestic mines, and operations in Washington and California were curtailed in November and December so drastically as to overbalance substantial gains during the first ten months, reversing the uptrend since 1934.

The total for the year, according to the Bureau of Mines, was a little short of the 1936 output, although far ahead of that of any previous year since 1920. Imports dwindled more slowly during the last two months, and registered a large net increase for the year.

Crude

	Short tons 1937.	1936.
Mined	203,437	207,119
Sold by producers	1,952	1,669
Imports	35	59
Apparent new supply	1,987	1,728

Caustic Calcined

Sold by producers	10,031	7,998
Imports	2,798	2,196
Apparent new supply	12,829	10,194

Dead-Burned

Sold by producers	83,204	89,979
Imports	56,021	42,608
Apparent new supply	139,225	132,587

Chemicals Bought by U.S. In First Quarter $18,445,107

At the conclusion of the 1938 first quarter, 7,050 contracts valued at $400,489,861 were reported to the division of public contracts as having been awarded to contractors throughout the United States and its territories, containing agreements to comply with the Walsh-Healey public contracts act, according to the Department of Labor. Of the amount, chemicals and allied products contracts called for $18,445,107, or 4.61 percent of the total.

Ralph B. Busch was recently appointed sales manager for the Fefton Fibre Can Company, St. Louis.

The value of counsel lies in the experience on which it is based.

We have had forty years' experience in the electric furnace production of phosphorus and the manufacture, uses and properties of its compounds.

Other chemical products in which we specialize are listed below.

Our laboratories and plants are available, on a basis of strict confidence, to users and potential users of these products. We invite inquiry by interested parties.

Oldbury
Electro-Chemical
Company

Plant and Main Office:
Niagara Falls, New York

New York Office:
22 East 40th Street, New York City

Phosphorus and phosphorus products. Sodium chlorate.
Potassium perchlorate. Oxalic acid.

Quicksilver Buying Depletes Calif. Supply

Heavy buying of California quicksilver by an unnamed foreign buyer gave added interest last week to the arrival in this city of H. W. Gould, quicksilver producer and mining engineer, San Francisco. The purchases stirred the New York market deeply last week, especially since the ultimate destination of the metal was unknown. More metal would have been bought had more been available.

Mr. Gould flew in from the Pacific coast and, following several days in Washington, reached this city April 12 and remained two days. When interviewed by a representative of the REPORTER, Mr. Gould confirmed the heavy buying of quicksilver during the first week in April. He declared that the buying had been done by a bank in San Francisco. Because the California sales tax law requires disclosure of certain data, the bank guaranteed that the metal was destined for a foreign country. The bank required a Pacific Coast delivery, and stored the metal purchased in its own vaults.

The transactions involved 1,100 flasks of quicksilver, a total of 83,600 pounds; more would have been bought if it had been available. This purchase practically wiped out all unsold stocks of quicksilver on the Coast, and it will be about a month before moderate sized stocks will again be offered. The transactions were done at approximately $72 per flask, which was the prevailing price in New York.

Mr. Gould said that Japan had been suggested as the "mystery buyer" since the bank required delivery in San Francisco, and, hence, had it handy for export. He also intimated that Great Britain had not been overlooked as possibly the buyer, though he said that it would be strange to find London a buyer in the San Francisco quicksilver market, especially so when price paid was considered. Since the bank refused to disclose the buyer's name, Mr. Gould declared that the entire trade was at a loss fully to understand the ramifications of the transaction.

The Gould quicksilver interests own or control five of the seven most important quicksilver mines in this country, including the New Idria mine, which is the outstanding domestic quicksilver producer. Associated with Mr. Gould are Herbert Hoover, former President of the United States; Mr. Hoover's brother, and former United States Senator Young of California. The enterprise controls about 60 percent of the present quicksilver production of the United States.

A.D.M.A. Convention To Have Golf, Tennis

The customary golf tournament is panned for the twenty-seventh annual meeting of the American Drug Manufacturers Association to be held May 2 to 5 in White Sulphur Springs, W. Va. The tournament is scheduled for the afternoon of May 4 and will be played on the Old White coure. Arrangements are being handled by a committee headed by Herman J. Dietel, who is assisted by J. P. Remensnyder and J. C. Chilcott.

There will be one prize for low gross in a qualifying round; and, in the tournament, prizes for lowest net score and lowest gross score and for low gross, low net, and second low net in each of seven flights. The maximum handicap will be 30. Special prizes will be offered for the longest drive from the first tee, the closest first shot to the pin on the eighteenth, the least number of putts, and a hole in one.

Special efforts are being made by S. B. Penick, jr., chairman of the tennis committee, and his associate, G. S. Furman, to develop extensive use of the White Sulphur courts by A.D.M.A. conventioners. The prize feature will be a doubles tournament the afternoon of May 3. Partnerships may be individually made up in advance, or will be arranged by the committee.

Standard Chemicals, Inc., 723 Pratt street, Baltimore, was decleared insolvent on a petition filed by the Knox Glass Company, the Keystone Cap Company, and William Graham & Co., distributor of alcohol and other products.

Pacific Alkali Company, 1206 Pacific Mutual Building, Los Angeles, Calif., has been granted a certificate to conduct business under that firm name. The certificate has been issued to the owners:—Harvey S. Mudd, Seeley G. Mudd, W. L. Honnold, and Philip Wiseman.

Obituaries

Simon M. Hanline

Simon Hanline, senior member of Hanline Brothers, paint manufacturer, Baltimore, died in that city April 11, following an illness of several months. He was eighty years of age.

Born in Baltimore, Mr. Hanline attended the Baltimore City College. In 1881 he entered into a partnership with his brother, Leon Hanline, under the firm name of Hanline Brothers, and which company succeeded to the business established in 1848 by their father, Maurice Hanline, and Henry Hirschberg. Upon the death of his brother Leon in 1896, Simon M. and another brother Alexander M. continued the business until 1923, at which time Alexander retired, and Leon Hanline, son of Simon, who had been associated with the business in various capacities from 1899, was made a junior partner. Mr. Hanline was member of the National Paint, Varnish and Lacquer Association, and the Baltimore Paint Production Club. His recreational and avocational pursuits were golf, motoring and music.

Simon M. Hanline

In addition to his son Leon, Mr. Hanline is survived by a daughter and two brothers, Abraham and William. A coincidence was that Mrs. Rose Hanline, widow of Leon Hanline, his original partner, preceded Simon M. Hanline in death by a day.

Dr. L. W. Andrews

Dr. Launcelot Winchester Andrews, former professor of chemistry at Iowa State College of Agriculture and at the State University of Iowa and later a research and consulting chemist, died in his home in Boston April 14. He was eighty-one years of age.

Dr. Andrews, a native of London, Ont., was graduated from Yale in 1875 and from Goettingen University, Germany, with A. M. and Ph. D. degrees in 1882. He later took a graduate course in philosophy and history at Harvard. He was professor at Iowa Agricultural College in 1884 and 1885, and at Iowa State University from 1885 to 1904.

Later Dr. Andrews was a research and consulting chemist for Mallinckrodt Chemical Works, St. Louis, 1904 to 1910; special investigator in canning for the United States Department of Agriculture, 1913 and 1914, and a research chemist for Victor Chemical Works, Chicago, from 1915 to 1921. He had been retired for more than fifteen years.

Frank M. Dudley

Frank M. Dudley, vice-president and secretary of the J. H. Day Company, bakery, paint and special machinery, Cincinnati, Ohio, died April 14. He was seventy years of age.

Mr. Dudley joined the Day company in 1888, becoming a vice-president of the company in 1901 and assumed the additional office of secretary in 1910. Although an invalid for the past eight years, Mr. Dudley remained active in the business. Surviving are his wife and two daughters.

Dr. Harlan S. Miner

Dr. Harlan S. Miner, chief chemist for the Welsbach Company, Gloucester, N. J., died of a heart attack while on a business trip in Bloomfield, N. J., April 14. He was seventy-four years of age.

Born in Chestern, Vermont, Dr. Miner graduated from Lehigh University in 1888, at which time he became associated with the Wellsbach Company, for ten years as assistant chemist, and since 1898 as chief chemist. He has done important work in connection with rare earths, radium and the manu-

—Continued on page 59

Heavy Chemicals

Sharp Reductions for Various Cyanides—Zinc Sulphate Reduced —Outlook Improved for Refrigerants—Fluorspar Nominal —Calcium Chloride and Copper Sulphate More Active

Sharp reductions for the various cyanides late in the week featured the market for industrial chemicals. The general demand for heavy chemicals continued spotty. Industrial activity remained about the same. News developments were mixed, the labor board decisions were not looked upon too favorably, while some encouragement was engendered in the prospects for government loans to railroads, business and renewed public works spending. Re-

Price Changes

Prices were changed during the past week as follows:—

Advanced

Tetrachloride, anhydrous of tin, ¼c. per lb.

Reduced

Copper cyanide, 3c. per lb.
Cyanide chloride mixture, 45 p.c. gran., lump, 1⅛c. per lb.
gran., lump., 75 p.c., 2c. per lb.
Soda cyanide, dom., 2½c. per lb.
imported, 2¼c. per lb.
Zinc cyanide, 3c. per lb.
sulphate, crystals, 40c. per 100 lbs.
flake, 50c. per 100 lbs.
powdered, 65c. per 100 lbs.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.4	153.6	153.6	154.3

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	99.6	99.6	99.6

Market news that may have developed after this report was sent to press will be found on page 4.

ductions were recorded for zinc sulphate. Anhydrous tetrachloride of tin was fractionally higher.

Effective April 15, prices for domestic and imported soda cyanide were reduced. Copper and zinc cyanide declined three cents per pound and cyanide chloride mixtures were lowered proportionately. The lower prices were made in an effort to stimulate new applications for cyanide. Demand recently has been far from normal for case hardening and electroplating purposes, reflecting to some degree lower automotive operations.

The outlook was improved for certain refrigerants. Carbon dioxide, anhydrous ammonia, and methyl chloride were all classed as being in a better position to profit by warmer weather. Water treating chemicals such as certain alums and chlorine were looked upon with more favor. Agricultural chemicals, insecticides and fungicides continued to move in a better manner. Paradichlorobenzent continued active.

A better inquiry was reported by fireworks manufacturers for potash chlorate. Calcium chloride and copper sulphate continued to move out in a satisfactory fashion. Copperas continued short, reflecting low steel operations. Fluorspar was nominal. The alkalies were only moderately active. Sulphuric acid and other mineral acids continued to mark time as the result of lower operating schedules in most manufacturing consuming lines. Zinc sulphate reduction was brought about by lower prices for the basic metal. The steadier tone for Straits tin was responsible for a fractional advance for anhydrous tetrachloride of tin.

Alums.—Demand for potash and ammonia alums continued spotty. Alumina sulphate commercial and iron-free enjoyed a steady demand, the paper industry, especially the Kraft paper division was reported last week to be making fair-sized commitments. Prices were steady to firm.

Ammonia, Anhydrous.—A better inquiry was reported in this market last week. Seasonal conditions were expected to broaden the demand for refrigerating purposes. Prices continue the same.

Ammonia, Aqua. — The market was highly irregular again last week. Warmer weather was expected to increase commitments, while the export market was described as reasonably active. Prices continued unchanged.

Antimony. — Prices continued unaltered at 13¾c. per pound, ex-store for the domestic metal. Sellers report quiet conditions continue to prevail. Demand from the battery trade in particular was affected by lower automobile production.

Antimony Oxide.—Another dull week was the rule in the market. The lack of residential building was detrimental to the ceramic trade, and in turn has lessened the demand for the oxide. Prices ruled unchanged.

Arsenic. — The market for the red and white material continued to reflect dullness from the glass and ceramic trades, while the inquiry for insecticidal purposes was looked for a little later in the year. Prices were without alteration.

Barium Salts.—Shipments of various barium derivatives continued spotty last week. General dullness in most consuming lines was responsible for the light demand. Better interest was reported for barium chlorate for the account of firework manufacturers. Prices in all instances continued steady to firm.

Bleaching Powder. — A fairly steady demand continued in evidence last week. The call was supplied by laundries, disinfectant and water purification channels. Prices remain unchanged. Imports into Finland increased from 2,590 tons in 1936 to 3,377 tons during 1937.

Blue Vitriol. — Sellers continue to report good business in the market throughout the week just closed. Shipments were moving into various consuming lines at a brisk pace, while exports were reported generally good. Prices continued firm.

Calcium Chloride. — Shipments were moving out at a faster pace last week. Dust control activities were expected to get underway shortly by several states, government work relief expenditures also were a factor in favor of increased consumption. Prices were the same as the previous period.

Carbon Dioxide. — A more active inquiry was uncovered in the market last week. Warmer weather will broaden the demand for refrigerating purposes for the account of usual consumers. Prices ruled unchanged.

Chlorine. — The market displayed more activity. The Kraft paper industry continued to make fair-sized commitments, while other consumers were taking a more active interest. Prices were in conformity with the previous period. Imports of chlorine into Finland increased from 8,163 metric tons in 1936 to 12,273 tons in 1937.

Copper. — The domestic copper market was more active last week. Prices continued at the 10c. level, delivered Connecticut Valley base. Sales in the export market were excellent, with the quotations higher at 10.075 per pound, c.i.f. European base ports, the highest price in several weeks.

Copper Salts. — Price for copper cyanide was sharply reduced last week. Sellers were quoting 34c. per pound, a reduction of 3c. per pound. Other copper derivatives were quiet, but prices held steady, reflecting the firmness in the basic metal.

Copperas. — The market continued about the same last week. Steel operations were scheduled at 32.7 per cent of capacity, compared with 32.6 percent in the preceding period and 90.3 percent in the corresponding period last year.

Cyanide Chloride Mixture. — Prices for the 45 percent granular and lump materials were reduced 1⅛c. per pound at 10¾c. to 9¾c. per pound; quotations for the 75 percent lump and granular declined 2c. per pound at 15c. to 13c. per pound, respectively. The lower prices were made to stimulate new applications and increase the use for these materials.

Fluorspar. — The market was nominal. Few commitments were made against new contracts, while scattered business on the old contracts entered the market from time to time.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

TURNER

LIQUID CAUSTIC SODA

TANK TRUCKS—DRUMS

Local delivery tank truck service throughout the Metropolitan New York area.

JOSEPH TURNER & COMPANY

RIDGEFIELD, N. J.

83 EXCHANGE PL. PROVIDENCE

630 FIFTH AVE., NEW YORK

40TH ST. & CALUMET CHICAGO

Exclusive Distributors for DUVAL TEXAS SULPHUR COMPANY

ASHCRAFT-WILKINSON CO.

ATLANTA, GEORGIA

Charleston, S. C. Wilmington, N. C. Norfolk, Va.
Jacksonville, Fla. Jackson, Miss.

SULPHUR

99½% Pure

Shipments from Boling Dome and
A new production from ORCHARD DOME

Heavy Chemicals and Fertilizer Materials

...a dependable source of supply

LIQUID CHLORINE

Stauffer

BORIC ACID . CARBON TETRACHLORIDE : BORAX
TITANIUM TETRACHLORIDE : CAUSTIC SODA : SULPHUR
CHLORIDE : SULPHUR : SILICON TETRACHLORIDE
CREAM OF TARTAR : SULPHURIC ACID : CARBON
BISULPHIDE : TARTARIC ACID : WHITING

STAUFFER CHEMICAL COMPANY

310 Grayber Bldg. New York, N.Y.

636 California St. San Francisco, Cal.

Carbide and Carbon Bldg. Chicago, Ill.

Rives-Strong Bldg. Los Angeles, Cal.

Freeport Texas

Stauffer

COPPER SULPHATE

PROMPT SHIPMENTS upon receipt of order

ZINC SULPHATE

MANGANESE SULPHATE

COPPER CARBONATE

Finest Quality

Finest Quality

TRI-BASIC COPPER SULPHATE

TENNESSEE CORPORATION

Atlanta, Georgia
Lockland, Ohio

In Florida:
U. S. PHOSPHORIC PRODUCTS CORP.
TAMPA

BLUE VITRIOL

IRVINGTON SMELTING & REFINING WORKS

IRVINGTON NEW JERSEY

NEW YORK OFFICE
30 CHURCH ST.

SOLVAY

TRADE MARK REG. U. S. PAT. OFF.

PRODUCTS

NO sale is considered complete until the other partner—the buyer—feels that all his requirements have been fulfilled. This principle is the basis of the Solvay policy toward *all* consumers of alkali and related products.

Soda Ash
Caustic Soda
Modified Sodas
Special Alkalies
Heavy Duty Cleansers
Nitrite of Soda
Liquid Chlorine
Calcium Chloride
Caustic Potash
Liquid—Flake—Ground—Solid—Lump
Ammonium Chloride
Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Potassium Carbonate
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 RECTOR STREET NEW YORK

Branch Sales Offices:

Boston	Cincinnati	New Orleans	Pittsburgh
Charlotte	Cleveland	New York	St. Louis
Chicago	Detroit	Philadelphia	Syracuse

Potash Carbonate. — Demand continued highly irregular throughout the week under review. Usual consumers continued to adhere to a conservative purchasing policy. Prices continued the same.

Potash Caustic.—Only a moderate interest was displayed in the market last week, reflecting the low operating schedules of most manufacturing consumers. Prices remain unchanged.

Potash Chlorate. — A slightly better call for the account of firework manufacturers was reported, while other consumers were making small withdrawals for nearby needs only. Exports from Finland rose from 1,105 metric tons in 1936 to 1,131 tons in 1937.

Potash Cyanide.—Prices continue the same as the previous week. Business was described as only routine throughout the week just ended. The call from the plating trade and other consumers was in line with current operating schedules.

Saltcake.—Business continued irregular during the week just ended. The paper industry was supplying the call, especially the Kraft paper division. Glass industry showed little change both in regard to demand or production, while other consumers were making fair inquiries. Prices for imported and domestic materials continued unaltered. Imports into Canada during 1937 were reported at 14,117 short tons, of which United States furnished 8,877 tons, and the United Kingdom, 5,240 tons. Substantial quantities of natural salt cake are exported from Canada to the United States.

Soda Ash. — Demand continued moderate, with principle consumers not inclined to order out beyond production requirements. Prices continued steady to firm. February exports aggregated 6,014,736 pounds, valued at $79,941, of which 2,220 pounds went to Belgium; 45,866 pounds to the United Kingdom; 467,051 pounds to Canada; 2,700 pounds to Costa Rica; 2,178 pounds to Guatemala; 1,580 pounds to Honduras; 33,900 pounds to Nicaragua; 5,135 pounds to Panama; 8,375 pounds to Panama Canal Zone; 14,604 pounds to Salvador; 1,734,911 pounds to Mexico; 3,800 pounds to Bermuda; 387,910 pounds to Cuba; 5,400 pounds to Dominican Republic; 7,500 pounds to the Netherland West Indies; 771,600 pounds to Argentina; 363,900 pounds to Brazil; 4,637 pounds to Chile; 42,140 pounds to Colombia; 221,040 pounds to Peru; 13,500 pounds to Uruguay; 275,872 pounds to Venezuela; 755,686 pounds to British India; 137,600 pounds to British Malaya; 11,200 pounds to Ceylon; 365,620 pounds to Netherland Indies; 9,000 pounds to Japan; 129,500 pounds to Australia; 146,361 pounds to New Zealand; 33,785 pounds to the Union of South Africa, and 8,875 pounds to Mazambique.

Soda Bicarbonate.—Shipments were moving at a fairly steady pace for the account of the beverage and food industries last week. Prices continue steady to firm. February exports totaled 1,431,845 pounds valued at $23,052, of which 979,400 pounds went to Canada; 4,328 pounds to Honduras; 215,070 pounds to Mexico; 51,832 pounds to Cuba; 13,200 pounds to Haiti; 2,000 pounds to Argentina; 1,455 pounds to Brazil; 26,804 pounds to Colombia; 34,578 pounds to Venezuela; 2,500 pounds to China; 87,582 pounds to Hongkong; 5,660 pounds to the Philippine Islands, and 4,125 pounds to the Union of South Africa.

Soda, Caustic.—The market continued irregular, with the call from textile, industry and other large consumers for nearby production needs only. Prices were firm at previous levels. February exports amounted to 12,127,446 pounds. valued at $243,648, of which 2,531,509 pounds went to Canada; 5,749 pounds to Guatemala; 26,200 pounds to Honduras; 27,360 pounds to Nicaragua; 20,550 pounds to Panama; 2,847,962 pounds to

VICTOR
OXALIC ACID
Guaranteed 99.8% pure or better
Free from corrosive sulphuric and hydrochloric acids. Three crystallizations: large, small and powdered. Uniform mechanical condition.
VICTOR CHEMICAL WORKS
141 W. Jackson Blvd., Chicago
SERVICE
UNIFORMITY
QUALITY

C.P. HYDROXIDES
POTASSIUM·SODIUM
DELIVERIES FROM SPOT STOCKS
JUNGMANN & CO.
INCORPORATED
157 CHAMBERS STREET
TEL. BARCLAY 7-5128-30 NEW YORK CITY

BARIUM SULPHIDE
BARIUM REDUCTION CORPORATION SOUTH CHARLESTON, W. VA.

MAGNESIUM FLUOSILICATE
CALCIUM FLUOSILICATE
ZINC FLUOSILICATE
FLUORINE PRODUCTS Division of Sterling Products Company Easton, Pa.

SULPHURIC ACID
60° 66° 98%
Tank Cars—Carboys
Prompt Shipments
ROYSTER CHEMICAL WORKS
TOLEDO, OHIO
Division of
F. S. ROYSTER GUANO CO.
NORFOLK, VA.

Mexico; 1,208,512 pounds to Cuba; 114,100 pounds to the Dominican Republic; 20,500 pounds to Haiti; 769,012 pounds to Argentina; 26,600 pounds to Bolivia; 568,981 pounds to Brazil; 80,421 pounds to Chile; 131,160 pounds to Colombia; 18,900 pounds to Peru; 44,800 pounds to Uruguay; 129,632 pounds to Venezuela; 370,900 pounds to British India; 2,156,134 pounds to the Netherland Indies; 112,370 pounds to Hongkong; 6,400 pounds to Japan; 836,040 pounds to the Philippine Islands; 31,800 pounds to Australia; 19,625 pounds to New Zealand, and 8,200 pounds to the Union of South Africa.

Soda Cyanide.—Prices for the 96-98 percent domestic material were reduced 2½c. per pound at 14c. to 15c. per pound, according to quantity. Imported prices were listed at 12¾c. to 13¾c. per pound, a decline of 2¼c. per pound. The purpose of the reductions was to widen the market for cyanide and make new uses. February exports amounted to 74,269 pounds, valued at $9,133, of which 3,038 pounds went to Sweden; 44,016 pounds to Honduras; 11,200 pounds to Mexico; 2,504 pounds to Cuba; 11,230 pounds to Bolivia, and 1,398 pounds to Australia.

Soda Phosphate.—The market was moderately active throughout the past week. Prices were unchanged from the preceding period. February exports for the mono-di-tri, meta—or pyro—amounted to 523,685 pounds, valued at $19,611, of which 22,250 pounds went to Switzerland; 195,410 pounds to the United Kingdom; 188,111 pounds to Canada; 16,250 pounds to Mexico; 3,250 pounds to Jamaica; 975 pounds to other British West Indies; 8,151 pounds to Cuba; 4,000 pounds to Colombia; 3,087 pounds to British India; 2,822 pounds to British Malaya; 49,954 pounds to Australia; 10,075 pounds to New Zealand; and 18,000 pounds to Union of South Africa.

Soda Silicate.—A fair demand was reported in the market last week. Usual consumers were making moderate commitments for nearby requirements only. Prices remain unchanged. February exports amounted to 360,516 pounds, valued at $13,518, of which 11,100 pounds went to Sweden; 296,663 pounds to Canada; 3,750 pounds to Guatemala; 25,900 pounds to Honduras; 11,453 pounds to Panama; 2,656 pounds to Mexico; 100,608 pounds to Newfoundland and Labrador; 10,163 pounds to Barbados; 205,300 pounds to Cuba; 19,755 pounds to the Dominican Republic; 6,000 pounds to Chile; 27,011 pounds to Columbia and 139,050 pounds to the Philippine Islands.

Tin Salts.—Prices for various tin derivatives held about the same levels as the previous week, with the exception of anhydrous tetrachloride at 19¾c. per pound. Tin crystals were 32c. to 32½c. per pound; soda stannate, 27c. to 30c. per pound. Straits tin was quoted around 38.70c. per pound. Malayan tin producers have demanded an immediate and substantial increase in the standard tonnages allotted to Malaya under the International restriction plan, according to a Reuters cable. The demand was framed at a representative meeting of European and Chinese tin miners in Malaya who requested that the High Commissioner cable it to the Colonial Office in London.

Zinc Cyanide.—Quotations were lowered 3c. per pound at 33c. per pound. The market continued quiet. The reduction was expected to stimulate new applications and increase the general demand.

Zinc Sulphate.—Prices for crystals were reduced 40c. per 100 pounds; flake, 50c. per 100 pounds, and powdered 65c. per 100 pounds. The lower prices were brought about by the decline in the price for the basic metal. Market continued quiet.

Acids

The market for mineral acids continued spotty throughout the week under review. Price schedules remained the same as the previous period. Sulphuric acid was quiet. February statistics released by the Department of Commerce shows a decline in production by 58 fertilizer manufacturers of 24,135 tons from January. Consumption, receipts and shipments declined, while stocks on hand showed a small increase at the end of February. Acetic acid continued dull. Muriatic, chromic and formic noted little change in the character of the dealings from the preceding period.

Acetic. — General demand continued slow again last week. Official price schedules were unaltered from the preceding week. February exports amounted to 9,048 pounds, valued at $1,047, of which 2,277 pounds went to Canada; 376,115 pounds to Guatemala; 784 pounds to Panama; 280 pounds to Salvador; 410 pounds to Mexico; 100 pounds to Newfoundland and Labrador; 200 pounds to Trinidad and Tabogo; 242 pounds to Cuba; 1,480 pounds to the Dominican Republic; 1,715 pounds to Chile; 400 pounds to Colombia; 504 pounds to Peru, and 122 pounds to Venezuela.

Chromic.—Another routine week was experienced in the market. Usual consumers were confining commitments to nearby requirements only. Prices were without change.

Formic. — Only moderate commitments were recorded in the market throughout the week under review. Prices were unaltered.

Lactic. — Quiet continued to characterize the dealings in this market again last week. No change was reported in the quotations.

Muriatic. — The call from the textile industry and other consumers was in line with lower production schedules. Sellers continue to adhere to previous quotations. February exports amounted to 1,704,688 pounds, valued at $31,701, of which 16,720 pounds went to Canada; 417,550 pounds to Guatemala; 1,612 pounds to Panama; 1,005 pounds to Mexico; 6,282 pounds to Jamaica; 1,197,972 pounds to Cuba; 30,598 pounds to the Dominican Republic; 12,105 pounds to Haiti; 7,182 pounds to Bolivia; 1,992 pounds to Ecuador; 1,725 pounds to Peru; 4,828 pounds to Venezuela, and 3,810 pounds to the Philippine Islands.

Oxalic. — Usual consumers were supplying a moderate call last week. Quotations were in line with the preceding week.

Sulphuric. — The market continued quiet, with the exception of some activity for the account of the fertilizer trade, other consumers were adhering to a conservative policy. Despite the lethargy, sellers reported prices were steady to firm at previous levels. Statistics based on data reported by 56 fertilizer manufacturers for the months of 1938, 58 for the months of 1937 released by the Department of Commerce, shows February production of sulphuric acid by fertilizer manufacturers amounted to 159,659 tons, receipts 36,552 tons, consumption by reporting manufacturers to 125,294 tons, shipments to 70,722 tons, and stocks on hand at end of month to 89,857 tons. This compares with January production of 183,794 tons, receipts 43,250 tons, consumption by reporting manufacturers to 147,443 tons, shipments to 77,326 tons, and stocks on hand at end of January to 89,662 tons.

Baltimore, Apr. 13.—Despite the quiet that prevails in the market for acid and the fact that most of the requirements present and prospective have been covered by contracts entered into last December, the quotations named by the producers are unchanged at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Needs of the manufacturers of fertilizer mixtures seem to be fully covered by the commitments entered into for the year, and only incidental wants are likely to claim attention, while the necessities of the steel makers are held down by the small production, with indications that the contracts already placed will be more than sufficient to take care of their needs. A similar state of affairs prevails in regard to some of the other acid-consuming industries. The curtailment in the demand, however, has not caused the producers to revise their acid figures downward, the increased cost of production and high wages that must be paid serving to prevent any marking down of the figures.

Insecticides

Seasonal improvement in the market for agricultural insecticides and fungicides continued in evidence throughout the past week. Sellers reported material was moving in as good volume as any time this year. Prices continued in conformity with the preceding week. Paradiclorobenzene was again reported to be in active demand. A revision of the Japanese beetle quarantine regulations, effective April 11, 1938, was announced by the Secretary of Agriculture. The revision brings with the regulated areas for the first time part of Schuyler County, N. Y., parts of Ohio counties of Coshocton, Portage and Summit, and parts of the West Virginia counties of Berkeley and Jefferson. This action is considered necessary because of the establishment of the Japanese beetle therein. There were added also infested areas in New York, Pennsylvania, Ohio, Maryland and West Vir-

—*Continued on page* 31

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

ALKALI

Modern streamlined trains are no less spectacular in their speed and performance than the ready availability and performance of Diamond Alkali throughout industry. Back of Diamond Alkali manufacture is the same spirit of progressive improvement — the same scientific endeavor to excel as that which inspires designers and builders of modern mechnical equipment today.

DIAMOND ALKALI COMPANY
PITTSBURGH—*And Everywhere*

IMPORTANT TO YOU!

A QUICK REVIEW OF BARRETT TAR ACIDS

Barrett Tar Acids are produced to meet highest standards of quality, uniformity and dependability. Barrett's unmatched service is available to every customer. Phone, wire or write for quotations.

PHENOL

(*Natural*) *U. S. P. 40° C. Minimum Melting Point* is a pure white crystalline product generally used in the manufacture of Phenol-Formaldehyde Resins when extremely light color is necessary. Also used in the manufacture of chemicals and dyestuffs requiring material of highest purity.

***39° C. M. M. Pt. Technical* approximates the U. S. P. material in quality and is recommended for use when it is not necessary to adhere strictly to Pharmacopœia specifications.**

***82-84 per cent and 90-92 per cent Technical*—grades which contain limited amounts of Ortho, Meta and Para Cresols.**

CRESOLS

***U. S. P.* Barrett Cresol U.S.P. not only meets U. S. Pharmacopœia specifications but contains less than 9 per cent Phenol.**

***Meta-Para Cresol.* Standard grades having boiling ranges of 3° C. and 5° C. with Meta Cresol content—55 per cent and 52 per cent minimum respectively.**

***Ortho Cresol.* Minimum Melting Point 30.4° C.**

***Meta Cresol.* 70 per cent and 80 per cent, for chemical and synthetic resin manufacturers.**

***Para Cresol.* 85 per cent and 98 per cent, for chemical, synthetic resin and pharmaceutical manufacturers.**

Special Cresol Fractions, to meet users' specifications.

CRESYLIC ACID

Straw color and dark grades of various distillation ranges, depending on requirements. Special grades for synthetic resin manufacturers.

XYLENOLS

Boiling range 210-225° C. or narrower fractions, if desired. Also Meta Xylenol Crystals (symmetrical).

TAR ACID OILS

Carefully blended oils ranging in tar acid content from 10 per cent to 75 per cent.

THE TECHNICAL SERVICE BUREAU of The Barrett Company invites your consultation with its technically trained staff, without cost or obligation. Address The Technical Service Bureau, The Barrett Company, 40 Rector Street, New York.

THE BARRETT COMPANY
40 Rector Street, New York, N. Y.

BARRETT COMPANY, AMERICA'S LEADING MANUFACTURERS OF COALTAR PRODUCTS • ROOFINGS • TARVIA • CHEMICALS

Barrett CHEMICALS

Coaltar Chemicals

Further Easiness in Imported Cresylic Acid—Phenol Quiet—Cresol Slow—Imported Crude Naphthalene Lower—Benzol Firm Feature—Toluol and Xylol Remain Steady

Demand for coaltar chemicals continued quiet during the week just closed. The lack of interest has not augured well for stability, which was especially the situation for imported cresylic acid and crude naphthalene. Further easing of prices were recorded last week. Special synthetic grade of cresol was fractionally reduced.

Imports of cresylic acid and crude naphthalene were arriving on the market in sufficient volume to cause an easier tone in view of the light demand. Withdrawals against contracts for the domestic cresylic acid have been slow, and spot business concerned with small quantities. Indications were that domestic prices would be adjusted to correspond with the lower imported quotations.

Benzol stood out as the firm feature of the market. Production levels continue low enough to cause some apprehension in many quarters relative to supplying the demand from various consuming channels. Phenol continued along quiet lines. However, another shipment to Japan of 600,808 pounds was reported recently. Cresol was slow and the special synthetic resin material fractionally lower. Large consumers of creosote oil were making little effort to order out supplies in volume. Toluol and xylol remained steady, with a slight improvement in volume reported. A beter inquiry was uncovered for tar acid oil and shingle stain oil as the result of seasonal influences. Intermediates and colors continued spotty.

There appears to be a large demand in Brazil for plastic materials, especially those used in molding. There are about forty firms engaged in the plastics molding industry, and, while data are not available regarding purchases from abroad, it is believed that they are substantial. Additional information is on file in the chemical division, according to the office of the American commercial attache at Rio de Janeiro.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Cresol, special resin grade, ½c. per lb. Cresylic acid, imported, pale, 5c. per gal. Naphthalene, imported, crude, 5c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.1	127.3	127.3	126.7

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—A firm tone continued to predominate dealings in the market again last week. Low coke by-product production, largely influenced by reduced steel output, has affected the production of benzol to such an extent that sellers in many instances have difficulty in supplying the demand from various consuming channels. Steel operations last week were scheduled at 32.7 percent of capacity, compared with 32.6 percent in the preceding week and 90.3 percent in the corresponding week a year ago.

Creosote Oil.—Large consumers were making little effort to order out supplies. The disinfectant trade was coming in the market for moderate commitments. The contemplated government loans to railroads may stimulate maintenance work on roadbeds. Prices were unchanged.

Cresol.—Prices for the special resin grade were reduced fractionally at 10¼c. to 10¾c. per pound, according to quantity. The USP material was unaltered. The market continued quiet.

Cresylic Acid.—Prices for the imported material were easier again last week. Quotations were reported in some quarters from 80c. to 86½c. per gallon. Imports have been coming in at a fair pace, while the demand has been negligible. Withdrawals against contracts for the domestic acid have been slow and spot business concerned with small quantities. A bid for several thousand gallons was made by the government last week for sheep-dipping purposes. Indications were that domestic producers would soon meet the lower prices for the imported material.

Naphthalene.—Lower prices for the imported crude naphthalene were evident again last week. Imports have been arriving in sufficient volume to upset the market, considering the dullness already prevalent. Prices ranged from $1.95 to $2.15 per 100 pounds. Domestic refined naphthalene was moving in fair volume, and prices were firm at previous quotations.

Phenol.—The call from the synthetic resin industry continued along quiet lines throughout the past week. Other consumers were making only moderate commitments. The export market was featured by a shipment to Japan totaling 600,808 pounds, the second such transaction within the past few weeks.

Shingle Stain Oil.—A better inquiry was uncovered in the market last week. Seasonal improvement was anticipated from this period. Prices were holding firm.

Tar Acid Oil.—Warmer weather should influence the demand for the various grades of tar acid oils for the account of the disinfectant trade and other consumers. Floods in the South were not thought of sufficient intensity to cause any rush buying. Prices were firm at previous levels.

Toluol.—A slight improvement in demand was reported last week. While the call from the lacquer trade and other consumers has been moderate, seasonal betterment was looked for. Automobile output last week was estimated at 60,975 units, compared with 57,500 units in the preceding period and 100,470 units in the corresponding week a year ago.

Xylol.—Another routine week was experienced in this direction. Sellers were adhering to quotations previously in force.

Chicago Coaltar Bases

With production continuing restricted because of low rates of steel industry operation, a good tone prevails in at least some sections of the coaltar bases market. Buying is along strictly conservative lines in all products. Tone is holding its own fairly well, with some inquiry, mostly for material for prompt shipment. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 30c.; 10-degree xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—The market was concerned with small quantities for the most part. Sellers were adhering to prices previously in force.

Benzoic.—The call for the technical material was quiet throughout the week just closed. Consumers were concerning themselves with nearby requirements only. Prices continued unchanged.

Cleve's.—Another routine week was experienced in this direction. Despite the lethargy, sellers reported quotations were steady to firm at previous levels.

Malic.—The market experienced another quiet week. Prices were in conformity with those prevailing in the preceding period.

Sulphanilic.—Developments of importance were lacking in this direction. No change was reported in quotations from last week.

Other Intermediates

Alphanaphthol.—A steady to firm tone governed the dealings again last week. Demand was not particularly active, and the market was concerned with small quantities.

Aniline Oil.—Little improvement from the quiet conditions prevailing heretofore was uncovered last week. Prices were without alteration.

Anthraquinone.—Quiet continued to prevail in this direction. However,

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

sellers reported a slightly improved demand during the past week. Prices continued unchanged.

Betanaphthal. — A fair inquiry was uncovered for the technical material. Sellers were maintaining quotations at previous levels.

Dinitrochlorobenzene.—Demand continued highly irregular last week. Usual consumers were making withdrawals conservatively for nearby requirements only. Prices ruled unchanged.

Phthalic Anhydride.—Shipments were moving out at an irregular pace. Usual consumers were making withdrawals for immediate requirements only. Prices were unaltered.

Xylidine.—Quiet continued to characterize the dealings again last week. Quotations were the same as the previous period.

Coaltar Colors

Business in the market for coaltar colors continued highly irregular again last week. While some improvement has been noticeable, sellers continue to report demand is considerably below normal, reflecting the lower operating schedules for the textile industry as a whole. Prices were in conformity with those prevailing in the previous period. Seven colors for women's shoes consisting of three new and four repeated shades have been chosen by the Textile Color Card Association in co-operation with the joint committee of tanners, shoe manufacturers and retailers. Nine colors for men's shoes comprising five new and four repeated shades have been selected for Fall, 1938.

Pittsburgh Plate Glass Co. Makes Griffin Vice-President

E. D. Griffin has been elected a vice-president of the Pittsburgh Plate Glass Company, with offices in Milwaukee, Wis., headquarters for the paint division of the company, of which he is general manager. Mr. Griffin started with the Pittsburgh Plate Glass Company in 1903, working out of the Cleveland office, and subsequently served as manager at Houston, Kansas City and Philadelphia. Since 1935 Mr. Griffin has been a director of the company and general manager of the paint division.

British Standardize Paint Materials

London, Mar. 31, 1938

Three volumes of new standard specifications have been issued by the British Standards Institution. One volume, covering extenders, includes four separate specifications:—(1) asbestine, (2) barytes, (3) blanc fixe, and (4) silica, these specifications being grouped together in accordance with the policy of combining similar specifications in the hope that they will be more serviceable to industry in this form.

Another volume covers specifications for both paste and liquid driers. Proposals for amendments to the specifications have been most carefully considered and where it was considered desirable they have been modified.

No technical modifications have been made to a new specification for venetian red, contained in the third volume.

Balto. Production Club To Hear About Patents

BALTIMORE, Apr. 12, 1938.

The April meeting of the Baltimore Production Club was addressed by Dr. F. L. Browne. He spoke on "Classiciation of House Paints." Because of the discussion following Dr. Browne's talk, a committee was appointed to condense the views of the majority of the club members, with a report to be presented at a meeting to be held next month, prior to sending it to the federation at the annual session.

George Sutherland, of William Graham & Co.; Herman Shuger, of the Baltimore Paint & Color Works, and Roswell Shurts were named to nominate candidates for officers, the election of which will take place in May. Karl W. Flocks and A. Y. Dowell, of Washington, will speak on "Patents" at the May meeting.

Native arsenic has been found in the Empire mine in Grass Valley, Cal. The specimens are of a gray metallic boytroidal mass, and only a few had been collected when the discovery was reported.

INCREASE YOUR PROFITS WITH J&L BENZOL

J&L BENZOL is made to your EXACT SPECIFICATIONS

Jones & Laughlin Benzol is always of uniform high quality and made to your exact specifications, by expert technical men and under the control of thoroughly trained and experienced chemists.

Get benzol accurately fitted to the products you manufacture . . . specify J&L Light Oil Distillates. We will welcome the opportunity of furnishing a sample made to your specifications.

J&L LIGHT OIL DISTILLATES

Pure Benzol — 90% Benzol — *CXP Benzol — **Reagent Benzol
Pure Toluol — Xylols (Solvent Naphthas)

★

Sulphate of Ammonia

★

*CXP Benzol is a super-refined grade with the following critical properties:
Freezing Point 5.40°C — Boiling Range 0.6°C — Bromine Index 3

★

**J&L Reagent Benzol is the absolute perfection in Benzol refining; is thiophene free; and has the following properties:
Freezing Point 5.50°C — Boiling Range 0.4°C (97% Within 0.1° C) — Bromine Index 0

Samples of these special items will be sent on request

★

Look to J&L also for structural steel, pipe, boiler tubes, and all other steel products you use.

J&L STEEL — JONES & LAUGHLIN STEEL CORPORATION
PITTSBURGH, PENNSYLVANIA
MAKERS OF HIGH QUALITY IRON AND STEEL PRODUCTS SINCE 1850

See if Koppers makes it

KOPPERS CHEMICALS AND SOLVENTS

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and industrial) . . . Solvent Naphtha (including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—98%, pale low-boiling. Insecticide Grades—98%, pale, high-boiling) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Tanks and Tank Work . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Phenol Removal Apparatus . . . By-Product Gas Plants . . . By-Product Recovery Apparatus . . . Sulfur Recovery Apparatus . . . Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Fast's Self-aligning Couplings . . . Fire Hydrants . . . Piston Rings . . . Gas, Air and Water Valves . . . Pressure-treated Lumber

When aluminum alloy pistons have worn or collapsed, it has been customary to replace them or install skirt expanders in the old pistons. The best skirt expander is only a makeshift, adding weight and an extra part which frequently works loose.

The American Hammered Piston Ring Division of Koppers introduced and patented a method of resizing these old pistons, called "Koetherizing." A blast of steel shot is directed against the inner surface of the piston skirt. The piston is thus expanded to fit the cylinder exactly.

Koetherizing also increases the hardness of the inner surface of the piston and thus imparts a tension which holds it in place.

Koetherizing old pistons costs less than most skirt expanders and only a fraction of the cost of new pistons.

KOPPERS COMPANY
PITTSBURGH, PA.

Chemurgic Conference In Omaha April 25-27

—Continued from page 5

president of the National Soybean Processors Association.

The afternoon session will be devoted to a discussion of "Agrol," with Leo M. Christensen, of the Atchison Argol Company, Kansas, will report on the progress of the production of "Agrol" at the Atchison plant. H. C. Merritt, of the Allis-Chalmers Company, Milwaukee, will talk on "Can We Design New Motors for 'Agrol'." Claude Speck, Atchison, will speak on "Growing Crops for 'Agrol'."

The annual banquet will be held on Tuesday evening, with Albert M. Paul of Fresno, Calif., acting as toastmaster. The speaker of the evening will be William J. Cameron, of the Ford Motor Company, Dearborn, Mich.

The final session will get under way at 9:30 a.m. Wednesday, with many miscellaneous subjects coming up for discussion. Among the addresses listed are:—"Medicine in Relation to Chemurgy," by Perrin H. Long, of the Johns Hopkins University, Baltimore, "Making Farm Crops More Available for Industry," by L. F. Livingstone, of E. I. du Pont de Nemours & Co., Wilmington; "New Values in the Castor Beans," by Harry Miller and Leon Champer, of the Atchison Agrol Company, and "The Chemurgic Future," by O. R. Sweeney, of Iowa State College, Ames, Iowa. The conference will come to a close with an open forum, at which Wheeler McMillen will preside. On the day following the close of the conference guests and participants are invited to visit the Atchison Agrol plant to see a commercial demonstration of the use of farm crops as industrial raw materials.

Canadian Tariff Deals Are Argued

—Continued from page 5

Robert Watson, representing the Atlantic Gelatin Company, Woburn, Mass., asked that the Canadian duty on edible gelatin be reduced from 35 percent to 10 percent ad valorem. He said that the tariff reductions granted in the Netherlands tariff bargain resulted in an increase in imports, and that exports must be increased or imports reduced if the domestic industry is to continue.

Representatives of the Idaho Mining Association, Boise, Idaho; Tri-State Zinc and Lead Producers Association, Picher, Okla., and other zinc and lead producers outlined the situation in their industry. They told the committee that the price of zinc concentrates had fallen so low that there was no profit in their sale, and that stocks of lead were accumulating for want of a profitable market. They said that there was great suffering among the miners because of loss of work and wages, and urged that no steps be taken which would further reduce the price of lead or zinc.

Others who appeared or filed briefs were Dr. M. H. Haertel, of the Wood Chemical Institute; L. M. Brile, of the Fairmont Aluminum Company, Fairmont, W. Va.; and representatives of the Electro Metallurgical Company, New York, and the Vanadium Corporation of America, New York.

Mexico Refuses British Demand for Oil Return

Mexico City, Apr. 14, 1938

The Mexican government has informed Britain that return of the British-owned petroleum companies expropriated March 18 was not under consideration. The note, which was delivered to Owen St. Clair O'Malley, British Minister, was in answer to the protest made by the British government late last week, in which the British government stated that the seizure of foreign oil companies by the Mexican government was motivated by "political desire."

The Mexican note contended that the British company, the Mexican Eagle Oil Company, was organized under Mexican law; that any sovereign government may determine what constitutes grounds for expropriation in the public interest. It was reported that legislation was being drawn by Mexico with which to cope with the financial and economic crisis brought about by the seizure of the companies. The main portion of the legislation was said to call for a proposed internal loan of approximately 100,000,000 pesos.

Drug Sales Record 9% Drop in February

Sales of drugs and drug sundries amounted to $12,997,000 in February, representing a decline of 9 percent from February last year. A decrease of 7 percent in total sales for February was reported by 138 drug wholesalers. Wholesalers' collection during February amounted to 71 percent of the total of accounts receivable outstanding at the beginning of the month. This was a drop from the collection ratio of 77 percent reported for February, 1937. The cost value of inventories at the end of February was down 3 percent from last year, according to reports from 104 wholesalers.

Average daily sales of chain drug stores in February were 8 percent lower than in the same month last year, according to the Bureau of Foreign and Domestic Commerce. The smallest decrease was shown by fountain sales which were 3.1 percent, while "all other" sales decreased 11.5 percent. Reports from more than 2,500 independent retail drug stores indicated a decrease of 2 percent in sales for February.

Lalor Awards Made For Chemistry Study

The board of trustees of the Lalor Foundation have selected winners of five awards for research in chemistry for the academic year 1938-39. These awards comprise three fellowship grants of $2,500 each and two supplemental awards of $1,250 each.

The recipients of the awards are:—Dr. Leland J. Haworth, of the University of Wisconsin, who will continue his work in the research laboratory of physical chemistry at the Massachusetts Institute of Technology on fundamental properties of materials at low temperatures; Dr.. R. S. Livingston, associate Professor at the University of Minnesota, will spend a sabbatical year at Johns Hopkins University on the study of photosensitized chemical oxidation; Dr. Lucy Puckett, assistant Professor at Mount Holyoke College, will carry on studies of absorption spectra or pure hydrocarbons at the University of Liege and work at Harvard. Dr. Walter W. Pigman, of the University of Maryland, will take a year's leave of absence from his position in the Bureau of Standards, Washington, to work with Professor Helferich, Leipzig, Germany, on the chemical nature and constitution of enzymes, and Dr. John W. Stout, of the University of California, will continue his research with Professor Glauque on the thermal and magnetic properties of various substances at the lowest temperatures available by adiabatic magnetic cooling.

Magnesium Alloys To Be Discussed

An address on "Manufacture, Characteristics, and Industrial Applications of Magnesium Alloys," will be given April 22 before the metropolitan section of the Electrochemical Society in this city. The speaker will be the president of the society, William G. Harvey, of the Aluminum Company of America.

The meeting of the electrochemists will be held in room F-G of the Hotel New Yorker, opening at 8:00 p. m. Members of the section will gather at 6:15 p. m. for an informal dinner in the coffee shop of the hotel.

111 YEARS AGO

In 1827 a wide-awake, young scientist, named Isaac Tyson, recognized as chrome ore two heavy black stones supporting a barrel on a Baltimore market dray. Tracing the stones to their source, he discovered a sizable chrome ore deposit, acquired the properties and through mining them, founded a new industry in the United States.

The Mutual Chemical Co. of America is a direct outgrowth of Tyson's original Baltimore Chrome Works and one of our plants, the largest in the world, occupies this first site of the Chrome Industry in the United States. With another complete plant at Jersey City and our own chrome mines in New Ca'edonia, Mutual is today the largest and most basic manufacturer of chromium chemicals.

MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVENUE, NEW YORK, N. Y.

BICHROMATE OF SODA
BICHROMATE OF POTASH
CHROMIC ACID
OXALIC ACID

MUTUAL BICHROMATES

Dyestuffs, Textile and Leather Chemicals

General Demand Affected by Textile Curtailments—Zinc Dust Off —J1 Myrobalans Higher—Wheat Starch Reduced—Dyestuffs Steady—Corn Derivatives Firm—Egg Products Quiet

While more favorable weather conditions last week increased retail sales considerably, further shutdowns and curtailments were quite general in textile mill operations. Consequently, the demand for raw materials was along conservative lines. It was felt that as soon as inventories were lowered, a resumption of more normal mill operations would follow and the demand for various chemicals in turn increased. Price changes last week included lower quotations for Zinc dust, thick boil wheat starch and an advance for J1 myrobalans.

Bichromates were in moderate demand from the leather industry, while the call from the textile industry was still influenced by curtailment in operations. Dyestuffs were steady to firm. Egg products were quiet and unchanged. Corn derivatives continued to reflect the steadiness for the basic grain, although demand was restricted somewhat by the forward buying earlier in the month to avoid higher freight rates and increased prices. Thick boil wheat starch was fractionally reduced to correspond with the lower wheat prices recently. Zinc dust continued to reflect lower prices for the basic metal.

Raw tanning materials were steady to firm last week, with J1 myrobalans scoring an increase over the previous week. Tanners showed more interest in hides despite peak of Spring shoe run coming to an end. Shoe sales were good and expectations of this trend will call for replenishments, thus helping the seasonal dip in production. Inventories were low for shoes, leather and hides, which was considered a significant factor. No boom buying was expected, but improvement was likely. Word was received last week of a 10 percent wage cut by a large St. Louis shoe manufacturer.

Market conditions forced drastic curtailment of production in Southern cotton mills, involving virtual elimination on a permanent basis of third shift operations, and shut downs averaging 30 days durations were inaugurated by the majority of the mills. Cotton consumed during March amounted to 510,941 bales of lint and 60,443 linters, against 776,942 bales of lint and 75,361 linters during March last year, according to the Census Bureau report. Rayon operations averaged around 57 percent of capacity, with a large rayon plant in Buffalo closed down on account of general business conditions. Wool goods continued slow, with mill operations estimated at 20 to 30 percent of capacity.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Myrobalans, J1, $1.50 per ton.

Reduced

Starch, wheat, thick boil, ½c. per lb.
Zinc dust, .015c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.1	153.1	154.5	154.1

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—Demand from color makers and textile industry was in line with curtailment in operations, while other consumers were following a conservative policy. Prices continue unchanged.

Antimony Salt.—Curtailment in cotton mill operations was reflected in dullness for this material last week. Sellers were adhering to previous quotations.

Potash Prussiate.—Interest in this market lagged at times during the past week. The lack of interest was the result of general curtailment by major consumers. Prices were without alteration.

Soda Bichromate.—The leather industry continued to show moderate interest, while little inquiry was encountered for the account of textile divisions. Prices were steady to firm. February exports amounted to 183,593 pounds, valued at $10,954, of which 11,150 pounds went to Sweden; 44,800 pounds to the United Kingdom; 35,908 pounds to Canada; 15,258 pounds to Mexico; 18,880 pounds to Argentina; 7,717 pounds to Brazil; 27,391 pounds to Chile; 15,456 pounds to British India, and 6,833 pounds to Turkey.

Zinc Dust.—Further easiness last week in the price for zinc was reflected in slightly lower quotations for zinc dust at 6c. to 6½c. per pound. The market continued slow.

Dyestuffs

Annatto.—Little betterment in the call for seed and paste material was prevalent last week. Consumers were buying on a hand-to-mouth basis only. Prices remain the same.

Archil.—Quiet continued to characterize dealings in this direction again last week. General curtailments in major consuming textile divisions lessened the demand for this material. Prices were firm.

Cochineal.—The market was sluggish at times, with dye manufacturers displaying little interest to order beyond urgent production requirements. Prices continued steady to firm.

Fustic.—Sellers reported comparatively little improvement in the general demand. Prices were in conformity with those prevailing heretofore.

Indigo.—A steady to firm tone prevailed for the natural and synthetic indigo. As far as business was concerned, sellers reported only a mild inquiry was prevalent.

Quercitron.—The market was a routine affair, orders for the most part were small last week. No change was reported in prices from the previous period.

Sizing Materials

Albumen, Egg.—Prices were maintained at last week's levels. The market was a quiet affair. Domestic production by several factors have increased the stocks of material. The foreign market was quiet and nominal.

Dextrin.—Sellers reported that only a fair demand was evident during the week just closed. Prices remain unchanged. The basic commodity continued steady to firm last week. The early March estimate by the Bureau of Agricultural Economics for a corn crop in Argentina this year of only 177,000,000 bushels has been confirmed by a cable from its Buenos Aires office. The first official estimate of the 1937-38 issued by the Argentine Government was 177,155,000 bushels. The crop indicated by this estimate was about half as large as that produced last year and is 47 percent below the average crop for the five years ending with 1935-36. It represents the smallest crop since 1922-23 when 176,103,000 bushels were harvested.

Egg Yolk.—Demand continued dull again last week. Sellers, however, were not disposed to lower quotations from the preceding week, when price dropped one cent per pound.

Starch.—Price for the wheat thick boil starch was lowered ½c. per pound to conform with the lower prices prevailing for the basic commodity recently. Quotations for the cornstarch were well held, reflecting the individual firmness in the basic grain. Business was only moderate last week. The government's estimate of corn stocks on the farms April 1 amounted to 1,067,678,000 bushels, compared with 409,000,000 bushels on the same date last year and considerably above the average for previous season.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Tanning Materials

Mangrove Bark.—Business continued along moderate lines again last week. Prices were well maintained at previous levels. A better outlook was prevalent, however, with the prices for hides and leather more stabilized.

Myrobalans.—Price for the J1 myrobalans were $1.50 per ton higher at $30 per ton; J2 and R2 myrobalans remain the same. Business continued quiet.

Sumac.—The ground sicilian and leaf materials were steady to firm last week. While no immediate boom was expected in either hides, leather or shoes, it was said that fairly steady improvement in volume was likely.

Valonia.—Prices for the beards and cups were the same as last week. Sellers reported only a fair interest was displayed in the market. It was felt the lower hide inventories was a significant factor in future trend of the market.

Wattle Bark.—The market continued to mark time again last week. Quotations were in conformity with the preceding period. Prices ranged from $39.75 to $41.75 a ton.

Miami Drug Cited Under Patman Act

—Continued from page 3

by the respondents as a "subterfuge" and operated solely as an incident to their principal business. The complaint is the first to allege obtaining discriminatory prices by such a method.

The complaint charges that Miami Wholesale Drug Corporation, with the active cooperation of the individual respondents, pursues a policy designed to induce favorable discriminatory prices for itself in its purchases of merchandise of like grade and quality to the merchandise purchased by competitors. Pursuant to this policy, the complaint alleges, manufacturers and sellers are persuaded and induced to enter into contracts to buy advertising space in "Miami Magazine," the contracts providing that the charges made for the advertising shall be credited on the purchase price of the merchandise bought from them by the respondent corporation. Many of the contracts, according to the complaint, have been induced and executed since June 19, 1936, the date the Robinson-Patman act was approved.

Publication of the magazine, it is alleged, is not an independent business conducted in good faith on a profit basis, but is a subterfuge operated solely as an incident to the respondent corporation's wholesale drug business for the purpose of obtaining favorable discriminatory prices. The magazine allegedly has no substantial value as an advertising medium, nor do substantial benefits and considerations accrue to manufacturers and sellers for the credits, discounts and allowances they grant the respondent corporation on its purchases.

The discriminatory prices obtained by Miami Wholesale Drug Corporation allegedly amount to differentials of from 33 1-3 to 50 percent over other wholesalers competing with the respondent company and with wholesalers to whom it sells in some localities. The complaint charges that the effect of such discriminations in price may be to tend to create a monopoly in the sale of drug products and to injure and destroy competition between and among the respondent company and its customers, on the one hand, and their competitors, on the other hand, and between and among the customers of each.

The respondents are allowed twenty days to answer the complaint.

Heavy Chemicals

Insecticides

—Continued from page 27

ginia counties, parts of which were formerly under regulation. Some outlying areas where Japanese beetle infestations have been found are not included because of assurance from the States concerned that adequate measures will be taken to prevent the spread of the pest from these areas.

Calcium Arsenate.—A fairly active interest continued in this direction again last week. Sellers continued to quote the same prices as the previous period.

Lead Arsenate.—Shipments were moving out in better volume throughout the past week. Prices were in conformity with the preceding week.

Lime Sulphur Solution.—A good business was experienced in the market during the week under review. Sellers were adhering to quotations in force the previous week.

Paradichlorobenzene.—A continuance of the active demand reported the previous week was prevalent again last week. Seasonal influences were largely responsible for the good demand. Prices continued unaltered.

Du Pont Co. Offers New Water Repellent

A new type of water repellent designed for use on materials, in which both repellency and body are desired, has been developed by E. I. du Pont de Nemours & Co. Known as "Aridex" HW, a special wax-aluminum salt emulsion with a high solids content, it is expected to be useful on all types of cotton, linen, rayon and acetate fabrics.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
BICHROMATES

DRY COLORS—DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephones: Cortlandt 7-1460-1461 Cable Address: "Fezan," N.Y.

NIACET PRODUCTS
Acetic Acid
Glacial - U.S.P. - Reagent
Acetaldol
Acetamide
Paraldehyde
Acetaldehyde
Iron Acetates
Copper Acetate
Methyl Acetate
Crotonaldehyde
Ammonium Acetate
Manganese Acetate
Sucrose Octa Acetate
Other Acetate Salts
Aluminum Acetate Solutions
Aluminum Acetate Solutions
20% Normal — 32% Soluble Basic
for the preparation of
better textile
WATER REPELLENTS
Uniform — Stable —
Easily Compounded
for further information write
Aluminum Acetate Solutions 20% Normal, 32% Basic
Sodium Acetate Tech. 60%, Special 90% Grades
NIACET CHEMICALS CORPORATION NIAGARA FALLS, N.Y.

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-eighty-ninth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Aluminum

(Alluminio, Aluminium, Aluminio, Thonerde, Tonerde)

In Common Commercial Forms

(Bars, Busbars, Cables, Ingots, Pipes, Plates, Rods, Sheets, Tubing, Wires, and Others)

Brewing

Metal for making—
- Cans
- Kegs
- Piping
- Tanks
- Valves

Various equipment formerly requiring linings or protective coatings to avoid adverse effects on color, limpidity, taste

Building Construction

Metal for making—
- Balustrades
- Columns
- Conduits
- Coping tiles
- Cornices
- Cresting
- Doors
- Downspouts and gutters
- Electric light fixtures
- Entrances
- Fascias
- Floodlight brackets
- Frames and pendants
- Grille work
- Hardware
- Kick plates
- Marquises
- Newel posts
- Ornamental fences
- Panels
- Pilasters
- Radiators and covers
- Risers and treads
- Saddles
- Scuppers
- Sheet roofing
- Shingles
- Skylight frames
- Spandrels
- Stair railing
- Statuary
- Store front work and facing
- Thresholds
- Venetian blinds
- Ventilators
- Ventilating ducts
- Window casements
- Window frames
- Window sash
- Window sills

Automotive

Metal for making—
- Accessories
- Body members
- Fittings
- Power plant parts
- Underframes

Aviation

Metal for making—
- Fittings and accessories for wings, fuselage, power plants
- Structural members, coverings

Chemical

Basic material in making various aluminum salts

Metal for making—
- Agitators
- Autoclaves
- Baffles
- Balances
- Belts
- Blowcases
- Bottles
- Cans
- Caps and seals
- Chutes
- Coils
- Collapsible tubes
- Condensers
- Containers
- Conveyors
- Coolers
- Crystallizers
- Culture pans
- Curing pans
- Dephlegmators
- Digesters
- Distilled water distributing systems
- Dryer belts
- Dryers
- Evaporators
- Fans
- Filling machines
- Filters
- Fittings
- Funnels
- Gas-scrubbers
- Heating coils
- Hoppers
- Jacketed kettles
- Kettles
- Laboratory apparatus
- Linings
- Mixers
- Pipelines
- Pots
- Pumps
- Rayon equipment
- Retorts
- Scale pans
- Scoops
- Screens
- Shipping drums
- Sieves
- Stills
- Tankcars
- Tanks
- Tanktrucks
- Trays
- Trucks
- Vacuum pans
- Valves
- Vats

Dairy

Metal for making—
- Ageing equipment
- Cans
- Coils
- Coolers
- Cream separators
- Dump tanks
- Filling machinery
- Filters
- Fittings
- Funnels
- Forewarming tanks
- Heaters
- Holding tanks
- Hoppers
- Milker pails
- Milking machines
- Pasteurizing equipment
- Pipelines
- Pumps
- Ripeners
- Tanks
- Tank trucks
- Vacuum pans
- Valves
- Vats
- Weigh cans

Electrical

Metal for making—
- Battery eliminator parts
- Busbar
- Cable and connections
- Contacts
- Discs
- Electrode holders
- Electrolytic condensers
- Fixed condensers
- Fixtures
- Fuse wire
- Lamp receptacles
- Lead wires
- Lightning arrester trays
- Loud speaker diaphragms
- Loud speakers
- Magnetic coils
- Meter covers
- Radio chassis
- Radio panels
- Radio shields
- Rectifier parts
- Switch buttons
- Telephone equipment
- Variable condensers
- Wire

Food

Metal for making—
- Bins
- Canning equipment
- Caps and seals
- Chutes
- Collapsible tubes
- Containers
- Conveyors
- Cooking coils
- Cooking kettles
- Evaporators
- Filling machines
- Filters
- Fittings
- Foil
- Funnels
- Hoppers
- Jacketed kettles
- Jar caps
- Kettles
- Meat-cutting machines
- Mixers
- Pans
- Percolators
- Pipelines
- Pumps
- Range accessories
- Ranges
- Refrigeration equipment
- Screens
- Storage tanks
- Stovepipe
- Strainers
- Tabletops
- Trays
- Trucks
- Utensils
- Vacuum pans
- Valves
- Vats
- Waffle irons
- Weighing machine parts

Metallurgical

Component of—
- Alloys of various kinds, such as duraluminum, aluminum brasses and bronzes, lightweight alloys

Deoxidizing agent in various processes

Metal for making—
- Burner parts
- Flask equipment
- Match plates
- Oven linings
- Recording instruments

Precipitating agent in various processes

Reducing agent in various processes

Petroleum

Metal for making—
- Bubble caps
- Busbar
- Cable
- Coatings
- Condensers
- Conduit
- Drums
- Gages
- Heat exchangers
- Nails
- Pipelines
- Pumps
- Screws
- Swing lines
- Tankcars
- Tanks
- Tanktrucks
- Tubing

Paper

Metal for making—
- Conduits
- Conveyors
- Dryers
- Rolls for four-drinier tables
- Section boxes
- Tubing

Pharmaceutical

Metal for making various apparatus, containers, and utensils (see under Chemical)

Rubber

Filler

Metal for making—
- Bins
- Conduits
- Curing pans
- Electrodes
- Heat manifolds
- Mandrels
- Markers
- Molds
- Vulcanizing pans

Railroading

Metal for making—
- Accessories
- Bodies
- Body members
- Coaches and parts
- Power plant parts
- Structural members
- Underframing
- Trucks

In Dust, Filings, Flakes, and Powder

Aviation

Coating agent for—
- Airship fabrics

Fireproofing material

Ingredient of—
- Airplane dopes

Building Construction

Fireproofing agent

Ingredient of—
- Building material (U.S. 1357375)
- Cement (U.S. 1269116)
- Luting compositions (U.S. 1140760)

(To be continued)

Butyrylanisidin

(Butirilanisidina, Butyrylanisidine)

Ceramic

Plasticizer in—
- Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Solvent and plasticizer for—
- Cellulose esters and ethers

Cosmetic

Plasticizer in—
- Nail enamels and lacquers containing cellulose esters as a base material

Electrical

Plasticizer in—
- Insulating compositions, containing cellulose esters, used for covering wire and in making electrical machinery and equipment.

Glass

Plasticizer in—
- Compositions, containing cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Glue and Adhesives

Plasticizer in—
- Adhesives compositions containing cellulose esters or ethers

Leather

Plasticizer in—
- Compositions, containing cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Plasticizer in—
- Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer in—
- Coating compositions, containing cellulose esters or ethers, used for protecting and decorating various articles

Paint and Varnish

Plasticizer in—
- Paints, varnishes, lacquers, enamels, and dopes containing cellulose esters or ethers

Paper

Plasticizer in—
- Compositions, containing cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting products made of paper or pulp

Photographic

Plasticizer in making—
- Films from cellulose esters or ethers

Plastics

Plasticizer in making—
- Laminated fiber products
- Molded products
- Plastics from or containing cellulose esters or ethers

Resins

Plasticizer in making—
- Artificial resins from or containing cellulose esters or ethers

Rubber

Plasticizer in—
- Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer in—
- Compositions, containing cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer in—
- Compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Plasticizer in—
- Compositions, containing cellulose esters or ethers, used as protective and decorative coatings on woodwork

---

Di-isopropyl Ketone Peroxide

Fuel

Reducer (Brit. 444544) of—
- Inflammability hazards in diesel engine fuels

Dimethyldodecylamine Oxide

Chemical

Starting point (Brit. 460710) in making—
- Cleansing, disinfecting, and wetting agents by reacting with alkylene oxides
- Emulsifying agents for soaps, glue, gelatin, gum, and mucilages
- Textile stripping agents for vat dyestuffs by reacting with alkylene oxides and admixing with hydrosulphites

---

Dodecyldimethylbetaine

Firefighting

Basic ingredient (Brit. 460649) in—
- Air-foaming compositions for fire-extinguishing purposes

Tetracresyl-Bismuth

Lubricant

Addition agent (Brit. 445813) in—
- Lubricants for motors, turbines, flushing, and high-temperature work generally

---

Trimethyltriphenyl-Mercury

Lubricant

Addition agent (Brit. 445813) in—
- Lubricants for motors, turbines, flushings, and high-temperature work generally

---

Triphenyl Phosphate, Chlorinated

Lubricant

Stabilizer (Brit. 448424) for—
- Viscous oils, such as Pennsylvania or Midcontinent petroleum, used for extreme pressure work

Paint, Varnish, Lacquer Materials

Some Seasonal Activity Resumed—Sales Far Behind Last Year —Batavia Dammars Move Down Further—Rosin and Turpentine Quiet—Shellac Continues Dull

Some essence of seasonal activity in paint, varnish and lacquer chemicals was resumed last week after the preceding week's hiatus which was caused by unseasonal weather conditions. However, the measure of improvement is far from normal and many sellers of materials reported that their sales during the month to date were no better than those of the corresponding period in March. What little buying reaches the market is strictly of the hand-to-mouth sort. Inventories are low in every direction and there is no attempt to extend them.

Most of the week's price developments were centered in the resins and all of the changes in that group were in a downward direction. The Batavia gums were again featured with reduced prices but the steady decline of values in the replacement market for this gum has not attracted much attention from the buyers. Some of the Singapore gradings joined standard and mixed Batavia gum in last week's decline. The only development on the up side of the market was a raise in the price of calcium sulphide, the luminous pigment.

Rosin and turpentine were quiet and price movements were generally within comparatively small or moderate limits. Receipts were comparatively liberal but daily offerings in primary centers were light and it was stated that the bulk of the rosin and turpentine was being moved into storage under the provisions of the government loan which became operative April 1.

The Dun & Bradstreet release on March building permits issued in 215 cities showed a total estimated cost of $76,598,907 an increase of 41.8 precent over the two-year low of $54,010,213 in February. This gain however, was less than the usual seasonal rise of about 52 percent for that period which left the March total 36.8 percent under the $121,118,706 recorded in March last year. January-March figures for 1938 were $277,475,245 against $275,460,360 in the same months of 1937.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Calcium sulphide, luminous, 10c. per lb.

Reduced

Gum, copal, Singapore, Manila, dust, ¼c. per lb.
dammar, Batavia, A/E, ⅝c. per lb.
A/D, ¾c. per lb.
Singapore, No. 2, ⅞c. per lb.
chips, 1⅛c. per lb.
dust, ¼c. per lb.
seeds, ⅞c. per lb.
Rosin, gum, 5c. to 30c. per 280 lbs.
Turpentine, gum, ¼c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
130.4	**130.4**	**130.4**	**132.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Lead was a very quiet metal last week. The total sales for the week were estimated to have been around 5,000 tons. Prices continued unchanged at the long-standing level of 4.35c. peh pound at East St. Louis and 4.50c. to 4.55c. per pound in New York, according to seller.

Zinc prices turned upward Friday in response to the inflationary interpretation of President Roosevelt's fireside chat of Thursday evening. Up to a late hour Friday there was still one seller at 4c. per pound, basis East St. Louis, but most sellers had moved up to 4¼c. per pound, representing a boost of ¼c. per pound. There was not much buying on the rise because of Good Friday.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from April 9 to April 15, inclusive, were as follows:—

	Pigs				
	Per pound		Spot, London, Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0450@.0455	$0.0435	..	..	..
Monday	.0450@.0455	.0435	16	1	3
Tuesday	.0450@.0455	.0435	15	18	9
Wednesday	.0450@.0455	.0435	16	3	9
Thursday	.0450@.0455	.0435	15	17	0
Friday	.0450@.0455	.0435	•..	..	..

• Closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from April 9 to April 15, inclusive, were as follows:—

	Slabs				
	Per pound		Spot, London, Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0440	$0.0400	..	..	..
Monday	.0440	.0400	13	15	0
Tuesday	.0440	.0400	13	13	9
Wednesday	.0440	.0400	14	5	0
Thursday	.0440	.0400	14	1	3
Friday	.0465	.0425	•..	..	..

• Closed.

Pigments

More favorable weather conditions gave the pigment market some lift of activity last week but trade was not so lively as it should be at this time of the season. Manufacturing buyers were holding to a hand-to-mouth buying policy and the orders received were mainly for small-sized lots. Early in the month, the market had shown some seasonal activity but the snows and bad weather of a week ago halted this activity and the market was slow to recover last week. There were no price changes reported during the period.

White Lead.—The delivery orders received from the paint manufacturing industry were mostly small sized and while the market was able to recover from some of the dullness of the preceding week, business was not so active as in the earlier part of the month. On the other hand, producers of lead-in-oil reported an active sale through dealer channels. There were no price changes reported during the week and the position of the basic metal market was steady.

Red Lead.—Barrel prices for dry material have not been changed since February. The basic metal has been holding in an even position. Demands from the several lines of consumption were fair last week, showing some improvement over a week ago.

Litharge.—In company with other lead oxides, the prices for material in barrels have not been touched since February. The metal market has been in a very steady position. Demands continued rather light albeit a little improved over a week ago.

Lithopone.—Orders from out-of-town buyers had a fair rate of frequency but the deliveries to buyers in the local Metropolitan district was few and small-sized. The price situation continued undisturbed.

Orange Mineral.—There has been no change in the price for this or other lead oxides since the middle of February.

Titanium Pigments.—Sales of representative producers are still considerably behind last year but this month's business has improved impressably over March trade and the demands for titanium dioxide and the compound pigments were described as having been fairly good last week. Pricewise, the market was steady and unchanged.

Zinc Oxides.—The demands of the market improved last week, recovering from the preceding week's drop of activity that was caused by the unseasonal weather. The rubber industry's purchasing interest has improved and the paint manufacturers were ordering somewhat more frequently although the orders from that branch of consumption were small-sized.

Fillers and Extenders

Fillers, inert pigments and mineral whites were ordered in very slow fashion last week. Many of the larger

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

BUYING OR SELLING?

Both determine the life of your business. The care you exercise in the one must be duplicated in the other. The purchasing of Durez 210 Resin will give you hardness, chemical resistance and durability beyond that of comparable materials, and keep you in your price class. Durez 210 is a terpene phenolic far superior to the average modified phenolic.

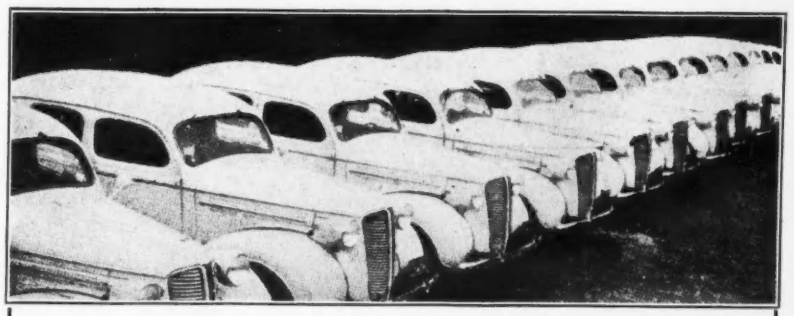
Let down Durez 210 with ester gum and you produce a resin base of better quality than any rosin modified. Your buying costs are lower, you have all the old selling features PLUS easier handling, quicker dry and greater resistance.

Whether for floor or spar varnish, lacquer or enamel, Durez 210 will increase hardness, gloss, water and alkali resistance.

Let us tell you more about Durez 210 or send you directions formulated for your specific tests. General Plastics, Inc., 114 E. Walck Road, North Tonawanda, N. Y.

DUREZ

PHENOLIC RESINS



CUT SALESMEN'S MILEAGE COSTS TO 3⅓c. or less

Our leasing cost is considerably lower than your present cost price of a new car and includes complete service and maintenance.

NO CAPITAL INVESTMENT. A NEW CAR EVERY YEAR

WHAT IS OUR PLAN: We lease nationally one or more Dodge, Plymouth and Chevrolet sedans or coaches at an annual rate so low that substantial savings are assured.

WHAT OUR RATE INCLUDES: *A new car every 12 months.* License plates in whatever states operated.
Fire, theft and collision insurance.
We include all items of service, maintenance and repairs of every kind and description.
Chains and anti-freeze.
Oil and grease.
Tire repairs and replacements.
Replacement of cars without any additional cost if destroyed by fire, collision or otherwise.
Purchase of your present equipment at fair appraisal value.

COST ANALYSIS:

	Per month
Plymouth or Chevrolet Sedans or Coaches	$45.00
Dodges (slightly higher per month)	
Rental cost per year based on $45.00 per month	$540.00
Based on 24,000 miles, the average yearly mileage of salesmen and 18 miles per gallon or 1c per mile for gas	240.00
Average fleet cost Public Liability and Property Damage insurance	30.00
	$810.00

This total of $810.00 divided by 24,000 miles gives you a total operating cost of .0337 cents per mile. As mileage increases, your cost per mile decreases because our rate remains standard. At 30,000 miles per year your cost would be .029 cents per mile.

Our rate includes every item of expense incident to the operation of cars, except gasoline and Public Liability and Property Damage insurance which we do not furnish. The cost of these two items has been approximated, herewith, based on our past experience. By adding these costs to our leasing charge we set forth what your actual cost per year or per mile should be under our plan.

WHY YOU SHOULD BE INTERESTED? Salesmen relieved of all worries and responsibilities prevalent with personally owned cars.
Corporations relieved of necessity of maintaining costly service garages.

No capital investment.
New cars every year, minimizing accidents.
You can estimate accurately your car costs a year in advance.
Cars always have a creditable appearance.
Use of **Decalcomania permitted.**
No restrictions on mileage or use of car at any time.
We guarantee 100 per cent tranportation. Complete references supplied.

The R. A. Company
Automobile Leasing Nationally
G. J. EGAN, New York Manager
Chanin Bldg., 122 East 42nd Street
New York City - (Ashland 4-9653)
Also Philadelphia, Penna.

The MICA PIGMENT flakes
"ARATONE"
—270 for PAINT, PLASTICS
—160 for WALLPAPER, RUBBER
—150 for COATED PAPER
ATLANTIC RESEARCH ASSOCIATES, INC.
Newtonville Massachusetts

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents
In Principal Cities
Distillers of
Coal Tar Products

To Improve
Your Products
GUAI-A-PHENE
The remarkably effective and inexpensive anti-skinning, anti-oxidizing agent for paints, varnishes, printing inks and all other easily oxidized materials. As little as one-fifth of one per cent sufficient in many cases.
•
D. D. WOOD
TURPENTINE
Proof of the superior merit of our D. D. Wood Turpentine (Fed. Spec. LLL-T-792) is to be found in the fact that it is used by large concerns that buy on the basis of provable worth only. Water-white in color. Aniline Point-12° C; Kauri Butanol, 100 plus.
•
THREE BETTER
DIPENTENES

Specific Gravity	No. 100	No. 200	No. 300
at 15.5°C.	.862	.859	.857
End Point	198°C.	192°C.	188°C.
Aniline Point	-21°C.	-15°C.	-12½°C.

•
E. W. COLLEDGE,
General Sales Agent, Inc.
CHICAGO
310 S. Michigan Ave.
CLEVELAND
616 Guardian Bldg.
NEW YORK 300 Madison Ave.
SAN FRANCISCO 503 Market Street

buyers had stocked up on their needs prior to the increase in rail freight rates on March 28. The smaller consumers evidenced a very spotty interest in the market. The lone price feature reported during the week was an advance in the price of luminous calcium sulphide.

Calcium Sulphide.—The price of the luminous pigment was advanced 10c. per pound to the basis of 85c. per pound in 100-pound lots, f.o.b. the seller's California plant.

Silica.—There has been no change in the price set-up of the market since this article was last reported. The demand from the consuming industries continued light.

Dry Colors

The color market did not show much of a change from its position of a week ago. The movement of material into consumption continued at the restricted rate of recent weeks while prices were without change. Representative suppliers of earth colors and chemical colors indicated that April business to date had not shown any improvement over the preceding month and, of course, sales for the year to date were far behind those of the corresponding period last year.

Carbon Black.—There is not much black moving into Akron and other tire manufacturing centers. Some sellers say their April sales to date were no better than those for the same period a month ago. Prices have been unchanged since April 4 when fractional increases were placed in effect to cover the increased rail freight rates. Color blacks for the paint, varnish and lacquer industry were also slow. The tire industry's activity in March may be gauged by the consumption of crude rubber in the United States during March was estimated to 30,487 long tons against 23,868 long tons in February. The March consumption showed an increase of 27.7 percent over February but was 43.6 percent under March a year ago, according to the Rubber Manufacturers Association.

Iron Blues.—The calls for deliveries against contracts were small and there was not very much open order business done. The prices continued in a steady and unchanged position.

Iron Oxides.—Conditions surrounding the market were not much different from a week ago. Trade was a little better in spots. Makers of the synthetic oxides reported that prices were being held firmly. Sellers of natural materials reported a similar condition. A Department of Commerce report from Egypt stated that iron oxides are recovered on a small scale near Assuan and in the Eastern Desert where transportation facilities are at hand. The production of iron oxides will be further augmented by the exploitation of iron mines in the vicinity of Assuan. Iron ore of high quality is reported to be obtained from these deposits and is easily mined, being close to the surface at a depth of not more than 100 yards. Total production of iron oxides in Egypt during 1935 and 1936 was respectively 769 metric tons and 763 metric tons, practically all of which was utilized by the domestic paint industry.

Ocher.—There has been no change in the position of French material. The demands of the market have been quite small. Domestic golden and yellow ochers were also in light request.

Varnish Gums

Replacement market prices for Batavia dammars continued to move in an off direction last week. There has been very little response from the buying trade here and evidently the primary market is not getting much support from Europe as prices have been on the decline for the past several weeks. Some of the Singapore gums joined in last week's decline.

Copals.—The price for Singapore Manila dust was lowered ¼c. per pound for replacement last week. The new car lot price was 6⅜c. per pound with the usual differentials charged for smaller amounts.

Dammars.—Batavia A/E was reduced ⅝c. per pound to the basis of 15c. per pound; A/D gum was cut ¾c. per pound to the basis of 17¾c. per pound; No. 2 Singapore was lowered ⅞c. per pound to 13⅝c. per pound; Singapore chips were reduced 1⅜c. per pound to the level of 12⅛c. per pound; Singapore dust was cut ¼c. per pound to 5½c. per pound; and Singapore seeds were lowered ¼c. per pound to 6⅜c. per pound. The aforementioned prices were for replacement from abroad in car lots and were subject to the usual differentials for smaller quantities.

Synthetic Resins

There has been a slight improvement in the demands but it has not lifted trade to a point that might be termed active. The ester gum market has not changed its position over the past two weeks and while still regarded as competitive, there have been no further reductions.

Naval Stores

Southern and local markets for rosin and turpentine ruled quiet last week and general conditions underwent little change. There appeared to be a disposition among buyers everywhere to await further developments, especially as to the workings of the new government loan program which became effective on April 1. Uncertainty concerning tax and other legislation at Washington and the fact that the Easter holidays were at hand were also reflected in the aloofness of buyers at home and abroad.

Despite the quietness of trade, however, there was a disposition in some local quarters to take a more favorable view of the outlook, it being contended that marketing operations under the new government loan will be working more smoothly in the near future and that improvement in the situation in this respect will be likely to find early reflection in a strengthening of primary markets and stimulate buying interest on the part of consumers.

Last week variations in quotations were generally small or moderate and the tone of primary markets appeared to be steady or firm. Offerings were light and it was reported that much of the rosin and turpentine arriving from the interior was being moved into storage under the provisions of the government loan program. The movement of rosin and turpentine from the interior showed some increase. Stocks of turpentine in the three principal markets in the South are smaller than a year ago but supplies of rosin are considerably larger than then.

Turpentine.—There was nothing stimulating in the news from Southern markets last week and trade here continued quiet, many buyers being inclined to hold aloof or limit their takings to small lots to fill current needs. Receipts in Southern markets were comparatively liberal for this period of the year but the offerings from day to day were light. Stocks in primary centers are smaller than at this time last season.

SAVANNAH, Apr. 15.—Turpentine was more active. Offerings were light. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
Saturday	23	101	479	36	28,619
Monday	23¾	123	234	331	28,522
Tuesday	23¾	115	622	57	29,087
Wednesday	23¾	90	294	294	29,087
Thursday	23	112	199	184	29,102
*Friday	..	...	...	...	.....

* Holiday.

JACKSONVILLE, Apr. 15.—The turpentine market had a steady undertone. Sales were light. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
Saturday	23½	24	285	2	8,329
Monday	23	16	253	...	8,582
Tuesday	23¾	...	240	4	8,818
Wednesday	22	...	955	5	9,058
Thursday	23	4	190	5	9,243
*Friday	..	...	...	...	.....

* Holiday.

PENSACOLA, Apr. 9.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
Monday	227	...	22,579
Tuesday	68	122	22,525
Wednesday	76	161	22,440
Thursday	68	...	22,508
Friday	130	...	22,638
Saturday	67	...	22,705

CHICAGO, Apr. 14.—Purchases of turpentine are reported to have picked up a little in a scattered way recently. Ruling prices at the close of business last night were:—Five-drum lots, 30c.; single drums, 35c.; single barrels, 33c.; single barrels, 38c.

LONDON, Apr. 14.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
Saturday	30	9
Monday	30	9
Tuesday	29	6
Wednesday	30	3
Thursday	30	3

Stocks of American turpentine in London were:—

	April 14.	Previous week.	Last year.
Barrels	27,266	28,563	18,220

Rosin.—The market here was quiet, buying interest being limited to small

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

"SUCO"
Ultramarine Blues
Alkali Blue Toners
Methyl Violet Toners
Blanc Fixe
•
STANDARD ULTRAMARINE COMPANY
HUNTINGTON, W. VA.

QUALITY
PURITY
UNIFORMITY
LAMP BLACKS
for every purpose
Produced according to the rigid specifications of the makers of
EAGLE and OLD STANDARD
Germantown Brands
Leaders Since 1849
Look for this seal of satisfaction
• Bulk for the manufacturer. Packages for the dealer.
THE L. MARTIN COMPANY
Largest manufacturers of high grade lamp black in the world
45 East 42nd Street New York, N. Y.

COSMIC
Reg. U. S. Pat. Off.
THE STANDARD BONE BLACK PIGMENT
25 GRADES
QUALITY CONTROL from raw bone to finished pigment blacks
HIGHEST STANDARDS OF PERFORMANCE, IN—
Color
Stability
Reactivity
Particle Size
Oil Absorption
Tinting Strength
Manufactured by
The AMERICAN AGRICULTURAL CHEMICAL Co.
Detroit Michigan
PAUL UHLICH & CO., INC.
Sales Agents, New York

quantities to fill current needs with the movement of such lots unimportant in the aggregate. The tone was steady. Southern quotations showed irregularity at times, but changes were generally within comparatively narrow limits, as daily offerings in primary centers were light.

SAVANNAH, Apr. 15.—Changes in rosin quotations were generally narrow. Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Sat.	Mon.	Tues.	Wed.	Thurs. *Fri.
B	$3.50	$3.50	$3.50	$3.50	$3.50 ...
D	3.70	3.70	3.70	3.60	3.60 ...
E	3.75	3.75	3.75	3.65	3.60 ...
F	4.75	4.70	4.65	4.62½	4.50 ...
G	4.77½	4.70	4.67½	4.62½	4.50 ...
H	4.77½	4.70	4.67½	4.62½	4.50 ...
I	4.77½	4.70	4.67½	4.62½	4.50 ...
K	4.77½	4.70	4.67½	4.62½	4.50 ...
M	4.80	4.75	4.72½	4.65	4.60 ...
N	5.20	5.20	5.20	5.10	5.00 ...
WG	6.00	6.00	6.00	6.00	5.90 ...
WW	6.50	6.50	6.50	6.40	6.40 ...
X	6.50	6.50	6.50	6.40	6.40 ...
	Barrels				
Sales	281	212	602	492	289 ...
Receipts	1,459	1,358	1,831	1,487	870 ...
Shipments	15	287	100	311	415 ...
Stocks	68,619	71,307	73,038	74,214	74,634 ...

* Holiday.

JACKSONVILLE, Apr. 15.—A steady tone prevailed in the market for rosin. Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Sat.	Mon.	Tues.	Wed.	Thurs. *Fri.
B	$3.50	$3.50	$3.50	$3.50	$3.50 ...
D	3.75	3.75	3.65	3.60	3.60 ...
E	3.80	3.80	3.70	3.65	3.65 ...
F	4.75	4.75	4.60	4.62½	4.62½ ...
G	4.80	4.80	4.60	4.62½	4.62½ ...
H	4.80	4.80	4.60	4.62½	4.62½ ...
I	4.80	4.80	4.60	4.62½	4.62½ ...
K	4.85	4.85	4.60	4.62½	4.62½ ...
M	4.90	4.90	4.62½	4.65	4.65 ...
N	5.25	5.25	5.20	5.10	5.10 ...
WG	6.05	6.05	5.90	6.00	6.00 ...
WW	6.40	6.40	6.35	6.40	6.40 ...
X	6.40	6.40	6.35	6.40	6.40 ...
	Barrels				
Sales	234	...	147	246	... ...
Receipts	1,193	1,476	857	955	824 ...
Shipments	200	...	2	5	3,432 ...
Stocks	62,010	63,486	64,341	65,295	62,687 ...

* Holiday.

PENSACOLA, Apr. 9.—The rosin market was quiet. Following is a record of the market for the week:—

	Barrels					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	481	259	326	208	229	244
Shipments	270	...	500	385	...	...
Stocks	14,636	14,895	14,721	14,604	14,833	15,077

CHICAGO, Apr. 14.—A better feeling is reported existing in the general naval stores situation, and tone in the rosin market has reflected it by becoming a little steadier. There seems to be a tendency on the part of buyers now to look at the market level as being comparatively low. Ruling prices at the close of business here last night were:—B grade, $6.50 per lot of 280 pounds; G grade, $7.62½; M grade, $7.65; W. W. grade, $9.

LONDON, Apr. 14.—Quotations on American rosin were as follows:—

	Per cwt. in barrels			
	Common.		W.W.	
	s.	d.	s.	d.
Saturday	14	7½	18	3
Monday	14	4½	18	0
Tuesday	14	4½	18	0
Wednesday	14	4½	18	0
Thursday	14	4½	18	0

Pine Oil.—The market retained a steady tone, quotations being held at former levels. There were reports of a fair movement into consuming channels but new business remained quiet.

Pitch.—Prices were generally held at former levels by local sellers, the tone of the market being steady. A fair inquiry for moderate lots was reported.

Rosin Oil.—Local quotations ruled steady in the absence of any material change in the primary position of basic material. Business lacked snap but there were reports of a somewhat better inquiry for spot material.

Tar.—A steady tone prevailed. There was little change in the character of business, consumers still being disinclined to purchase ahead.

Shellac

The shellac market still was repressed within limits so narrow that almost any expansion in trade would be highly welcome to the local suppliers. However, activity in consuming industries was far under normal and that naturally reduced the needs of manufacturing consumers. Local quotations were about as steady as those prevailing in London and Calcutta. Although the tendency was toward shading, actual granting of concessions awaited the development of actual orders. Stocks available on the spot were substantial in all respects and the distribution of supplies was wide.

Calcutta, Apr. 14.—Shellac quotations, on the landed New York basis, ex dock net cash, were as follows:—

	Per pound	
	April 14.	April 8.
April	10½c.	10c.

Day-to-day quotations were as follows:—

	Per pound.
April 8	10c.
April 9	No cables
April 11	10½c.
April 12	10½c.
April 13	10½c.
April 14	10½c.
*April 15	....

* Market closed; Easter holidays.

London, Apr. 14.—Prices quoted on pure T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	April 14		April 8	
	Shillings. Cwt.	Cents. lb.	Shillings. Cwt.	Cents. lb.
May	39½	8.6	39	8.5
August	41	8.9	40½	8.8

Day-to-day closing prices were as follows:—

	Per hundredweight	
	May.	August.
April 8	39s ..	40s 6d
April 9	No cables	
April 11	40s ..	41s 6d
April 12	39s 6d	41s ..
April 13	39s 6d	41s ..
April 14	39s 6d	41s ..
*April 15	... ..	... ..

* Market closed; Easter holidays.

Lacquer Materials

Prices for various lacquer materials and solvents continued steady to firm last week. While signs of tangible improvement in the general demand was lacking, sellers report that commitments were a little more active than the early months of the year. Automotive production showed a fair seasonal pick up last week with operations scheduled at 60,975 units, as against 57,500 in the preceding period and 100,470 a year ago. Estimates of March deliveries range from 180,000 to 200,000 units, a 75 percent increase over the February figures. If sharp spurt in sales reported for the last ten days of the month is carried over into April, a broadening in production schedules was to be expected for the latter part of this month.

Acetone.—Business continued spotty throughout the past week. Prices were well maintained at previous levels. Imports into Sweden of acetone, acetone oil and methyethylketone in 1936 amounted to 671,914 kilos, compared with 460,417 kilos in the preceding year, according to the American commercial attache at Stockholm.

Dibutyl Phthalate.—Usual consumers were making commitments for nearby requirements only. Prices were in conformity with the previous week.

Dimethyl Phthalate.—The market was concerned with small quantities for the most part. Despite the dull nature of the dealings, prices were steady to firm at previous levels.

Isopropyl Acetate.—The market was a routine affair during the week just closed. No change was uncovered in the quotations from the preceding period.

Methyl Acetate.—Only a moderate inquiry was reported in this direction the past week. Prices were well maintained at last week's levels.

Driers

The stearate market continued slow. Some sellers' sales for the month to date were ahead of those during the same number of days last month but this was not the general rule and was occasioned in some directions by virtue of a few fair-sized orders having been booked. The price side of the market was holding in a steady position.

Glues and Binders

Casein. — The domestic market was quiet and not very strong. There was no further change from the levels established a week ago which were 7c. per pound for car lots of 20-30 mesh and 7½c. per pound for similar quantities of 80-100 mesh. Supplies will be coming into the market in heavier volume from now on and the consumption at this time is insufficient to absorb the current output.

Metal Powders and Leaf

During 1937 a plant was placed in operation in Belgium for the manufacture of bronze and aluminum powders. Prior to the erection of this plant, Belgium imported all requirements of bronze and aluminum powders. Production of the plant is not only capable of meeting domestic demand but a considerable portion of the output is exported, according to the Department of Commerce.

ORGANIC AND INORGANIC
PIGMENT
COLORS
IMPERIAL
PAPER AND COLOR CORPORATION
PIGMENT COLOR DIVISION
GLENS FALLS, NEW YORK
Branch Offices and Warehouse Stocks:
PHILADELPHIA—BALTIMORE—CINCINNATI—ST. LOUIS
NEW YORK — DETROIT — DALLAS — SAN FRANCISCO
PITTSBURGH — CHICAGO — LOUISVILLE — TORONTO
BOSTON — LOS ANGELES — SEATTLE — CLEVELAND
THE LARGEST MANUFACTURERS OF CHEMICAL PIGMENT COLORS IN AMERICA

LAMP
CARBON
BONE
BLACKS
LAKE
VINE
OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

Headquarters for ROSIN OIL
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

PLYMOUTH BRANDS
STEARATES - ZINC - MAGNESIA
WHITE MINERAL OILS U. S. P. and TECHNICAL
Manufacturers and Importers for thirty years
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
55 ANN STREET, NEW YORK CITY

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ⅛ in., ¾ in., 1¼ in., 1½ in. LETTERS
CUTS PAPER SHIPPING STENCILS
A. J. Bradley Mfg. Co.
101 Beekman Street New York

INTENSO for lacquers
YEARS ago INTENSO was the leading carbon black for medium-priced lacquers and enamel finishes. Today it is still the premier black for this purpose.
Write for samples and prices
IMPERIAL OIL & GAS PRODUCTS CO.
LABORATORY CONTROL UNIFORM QUALITY
GRANT BUILDING PITTSBURGH, PA

Harold Wilson & Witco British Interests Merged

London, Apr. 12, 1938

Formation of the new firm of Harold Wilson & Witco, Ltd., has been completed. Mr. Wilson brings to the new company a long and varied career in selling pigments, colors and other chemical products. He spent fourteen years traveling Europe, representative for English and German manufacturers as a color salesman. In 1900 he headed the firm of Harold Wilson & Scholz, and when the World War started severed his connection with Germany and built his business in London under his own name. The Witco, Ltd., is an affiliate of Wishnick-Tumpeer, Inc., New York, which company carries on an extensive business throughout the world in raw materials for the paint, rubber, printing ink and allied trades. The address of the new firm is 6, Portman Mansions, Baker street, London, W. 1., England.

Harry Fryer Schofield has been appointed to cover sales to the rubber industry for Harold Wilson & Witco organization. Mr. Schofield is associate of Manchester College of Technology and associate of the Institute of Chemistry and has had wide experience in the rubber field, both as a technician and as a sales representative. From 1920 to 1929 he was assistant and finally research and manufacturing chemist for Imperial Chemical Industries, Ltd., on organic dyestuffs and rubber chemicals. From 1929 to 1938 he was technical representative for the Rubber Regenerating Company, Ltd., covering Great Britain and most of Europe on rubber chemicals.

N.Y. Paint Ass'n Addressed by Murphy

The April meeting of the Nw York Paint and Varnish Production Club was held April 14 at the Building Trades Employers Association, this city. Discussion on the efficiency of the several types of grinding mills followed a talk by B. M. Halpern, vice-president of the Bramley Machinery Corporation, who spoke on the Bramley mill. N. D. Huff, personnel director of the Ford Instrument Company, gave a brief talk on personnel problems. John Murphy of the Standard Varnish Company's Staten Island plant addressed the club on health problems in paint and varnish plants.

Richard Brunjes, of the Summit Paint Company, and Seymour Myer, of the Hoboken White Lead & Color Works, were elected to membership. C. F. Rohleder, of Maas & Waldstein, was admitted to temporary membership. Mr. Rohleder will assist in the preparation of a paper by one of the sub-committees of the technical committee. There were 79 members and guests present at the meeting.

Memphis Paint Up Drive To Be Held April 25 to May 1

A clean up and paint up campaign will be held in Memphis under the sponsorship of the Memphis Paint, Varnish and Lacquer Association, of which W. M. Barr, of the De Soto Paint & Varnish Co., is president, April 25 to May 1. The campaign will include a parade, in which will be floats of labor organizations, building material companies, etc.

Chairmen of the various committees are:—General chairman, W. Morgan Garrett; speakers, Jerry Burns, of Farber Brothers; display, D. A. Pitts, of the Painters Labor Union; publicity, W. M. Barr, of the De Soto Paint & Varnish Company, school, Ernest C. Bell, of the Board of Education; community contests, Mrs. W. L. Fereday; parade, O. P. Williams, of the Shelby County Court House F. H. A.; R. E. Strutch, of the Federal Housing Administration; City Beautiful, Mrs. W. B. Fowler.

Phila. Production Club Hears Mantell on Resins

The Philadelphia Production Club, at its regular meeting April 7, was addressed by Dr. C. L. Mantell, research director for the American Gum Importers Association, on "Recent Developments in Natural Resin Technology." He compared natural resin production with synthetic resin production, displaying a number of panels showing improvements in alkyd finishes by the addition of dammar resin solutions.

Alfred H. Stover, of Felton, Sibley & Co., reported that the technical committees were making progress. A motion was carried to the effect that the club offer its services to the president, E. V. Ladd, for the convention of the Federation of Paint and Varnish Production Clubs, to be held in Atlantic City. J. C. Moore, treasurer, reported that the club has a balance of $602.46.

N.Y. Paint Ass'n Names Delegates to Convention

Delegates and alternates for the New York Paint, Varnish and Lacquer Association to the fifty-first annual meeting of the National Paint, Varnish and Lacquer Association are as follows:—Delegates: C. D. Allen, W. S. Baldwin, C. F. Beatty, T. F. Brennan, O. J. S. De Brun, H. I. Gilbert, C. W. Griffin, I. D. Hager, M. L. Havey, A. E. Horn, J. T. Kealy, M. J. Merkin, A. G. Schumann, C. W. Slocum, J. P. Surtoc, P. C. Valentine, W. H. Zinsser; alternates: J. W. Bossert, H. F. Colcord, M. J. Dyson, O. G. Jacob, F. B. McNulty, E. I. Nelson, H. E. Outcault, M. R. Paul, H. W. Pearson, L. Silverstein, H. C. Soffer, T. J. Starkie, H. A. Wakefield, R. O. Walker, H. L. Wilkinson, A. J. Wittenberg and James S. Wolf.

Conklin Gets Plaque Apr. 20

Franklin Conklin, jr., of the Flood & Conklin Company, varnish manufacturer, Newark, will receive the award of the Advertising Club of Newark for outstanding citizenship at a luncheon meeting of the club April 20 in the Newark Athletic Club. The presentation of the bronze plaque will be made by Herbert S. Waters, president of the advertising club. Mayor Ellenstein of Newark and Dr. Frank Kingdon, president of the University of Newark, will speak.

Palmer-Schuster Moves

The Palmer-Schuster Company, manufacturers' agent, is now located in larger quarters at 975-81 Front street, Cleveland, where warehouse facilities are available for carrying substantial stocks of raw materials, particularly for the paint and printing ink trades. Carl T. Schuster, who has not been identified with the business for several years, has rejoined the organization and will cover Northern Ohio, and Fred H. Palmer, jr., will travel the State.

LIQRO FATTY ACIDS INDUSOIL

...A NEW SOURCE OF SUPPLY

The Paper Industry is fast becoming an important source of raw materials for users of Fatty Acids. Industrial Chemical Sales is a pioneer refiner of these products and from its plants at Covington, Va., and Charleston, S. C., can offer large quantities of the following:

INDUSOIL

Excellent as a blend with red oil for textile soaps and can be used with red oil for most other applications required of red oil, including cutting oils, drawing compounds, soluble oils, pine scrubs, etc.

A blend of refined fatty acids, with the following specifications:

AVERAGE QUALITY OF INDUSOIL, MARCH 15, 1937

Specific Gravity 60°/60° F. 0.95-0.98
Viscosity (Saybolt)
@ 100° F. ..... 300-400 Sec.
@ 210° F. ..... 55- 65 Sec.
Flash Point ..... 350-385° F.
Fire Point ..... 410-430° F.
Moisture ..... Practically None
Ash ..... Practically None

Completely Soluble in Petroleum Ether
Acid No. 170-185
Saponification Value ... 170-185
Color (Rosin Scale) .... G-I
Fatty Acid ..... 55-65%, Average about 60%
Rosin Acids ..... 28-35%, Average about 32%
Sterols ..... 6-10%, Average about 8%

LIQRO

A blend of crude pine fatty acids, with the following specifications:

Acid No. ..... 150 to 160
Rosin Acids ..... 40 to 50%
Fatty Acids ..... 35 to 45%
Sterols ..... 15 to 20%

This material is available in large quantities both from our Covington, Va., mill and our new mill at Charleston, S. C.

Indicated uses are for asphalt emulsions, cutting oils, low priced soaps, and many other applications where a low price fat is a requirement.

Present prices on contract F.O.B. Charleston, S. C.
Tank Cars.....$35.00 per ton Carloads, in drums $45.00 per ton

Samples, Specific Data, and Additional Information can be secured by writing

INDUSTRIAL CHEMICAL SALES
DIVISION WEST VIRGINIA PULP AND PAPER COMPANY
230 Park Ave., New York • 205 W. Wacker Drive, Chicago • 418 Schofield Bldg., Cleveland

INDUSOIL LIQRO INDUSOIL LIQRO INDUSOIL LIQRO INDUSOIL

Vegetable Oils Records Planned

—Continued from page 3

transit to consuming establishments; the quantities of crude and refined vegetable oils imported and exported; and the quantities of brewers' and distillers' dried grain produced, shipped out, and held at breweries, distilleries, and related establishments.

Other sections of the bill gives the Bureau of the Census, with the approval of the Secretary of Commerce, the power to make other periodic censuses of industrial activity and the production of various commodities, and whenever such a statistical service is set up all producers, manufacturers, and wholesalers would be required to submit the necessary reports with the usual safeguard that the reports would be used only for statistical purposes and would not be used for purposes of taxation, regulation, or investigation and that all reports would be held confidential.

Harassing Feared

The fear has been raised in some quarters that the proposed new powers of the Bureau of the Census might be used to harass business men and force them to report statistics which they do not wish to reveal, or that the bureau might interfere with the present statistical work of many trade associations. Officials of the bureau declare that these fears are unfounded and the bill only extends to all its current statistical services its compulsory powers now applying only to a few industries, such as cottonseed crushing.

Officials declare that the bureau has not present plans for extending its periodic reports beyond the fifty or so now being published on a monthly or quarterly basis. The statistics for most of these reports are supplied voluntarily by producers, and bureau officials declare that they are having very good cooperation and that they expect to have very little need to use the compulsory power to require current reports which the new bill would confer upon the bureau.

FASTOLUX LITHOL TONERS
AVAILABLE IN FOUR SHADES
• EXTRA LIGHT • LIGHT • MEDIUM • DARK •
THAT ARE FASTER TO LIGHT
Ansbacher Siegle Corp.
ANSBACHER
General Offices, Works and Laboratories
ROSEBANK, STATEN ISLAND, NEW YORK, N. Y.
Boston, Chicago, Los Angeles, Cleveland, Detroit, San Francisco, Richmond, Toronto, Canada
TRADE MARK
REG. U.S. PAT. OFF.

Oils, Fats, and Waxes

Cottonseed Oil Consumption in March 359,577 Barrels—Prices Irregular—Chinawood Oil Higher Abroad and Here—Copra And Coconut Oil Advanced—Trade Somewhat Better

The market for miscellaneous oils, fats and greases was somewhat more active last week. The improvement in business was by no means pronounced as many consumers were still disinclined to purchase in advance of immediate needs. Inquiries for various commodities were received rather more numerously, however, and the increase in the movement for the week was sufficient to impart a steadier tone to the general market. A development of interest was the publication of the monthly cottonseed report from the Census Bureau. This showed that the consumption of refined oil during March was 359,500 barrels, making a total for the first eight months of the current season of 3,147,000 barrels against 2,066,000 barrels in the same time in the previous season.

Chinawood oil was higher following an advance in shipment prices in the primary market. Oiticica oil was stronger, influenced by the course of chinawood. Perilla oil lacked quotable change but the tone of the market appeared to be steadier. Teaseed oil was available at further concessions. Refined fish oils were steady at the reduction in selling schedules announced in the previous week. Crude fish oils were quiet in primary markets. Cash lard prices had a downward trend at times in company with the course of futures in the West. Quotations on animal oils were generally stationary. Offerings of tallow were light and the market ruled steady.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Chinawood oil, 1c. to 1¼c. per lb.
Coconut oil, crude, ¼c. per lb.
Copra, ¼c. per lb.
Oiticica oil, ½c. per lb.

Reduced

Corn oil, ⅛c. per lb.
Lard, 25c. per 100 lbs.
Neatsfoot oil, prime, ¾c. per lb.
Olive oil, denatured, 2c. per gal.
Olive oil foots, ⅛c. per lb.
Teaseed oil, ¾c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
112.6	**112.6**	**118.6**	**153.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood. — Domestic markets had a much firmer tone last week, this development being a reflection of an advance in shipment prices abroad where the views of sellers were said to have been strengthened by the recent action of the markets for securities and some commodities in this country as well as by inflationary reports from this market. Spot oil was advanced by some local interests a cent or more per pound. There was an increase in the inquiry, although transactions for the week were not of much importance. Some business was reported to have been closed, however, at from 11.8c. to 12c. per pound in tankcars, and at as high as 13c. per pound in drums.

SAN FRANCISCO, Apr. 12.—Chinawood oil advanced in price and this was accompanied by a very fair movement in the market, especially in the Southern portion of the state. Both forward and prompt positions were available here today at 11½c. per pound in tanks. Arrivals of oil on the Coast continue good.

Coconut. — The steadier tone noted in the copra market late last week was followed by an upturn in that commodity, which was reflected in a stronger tone in the local and Pacific Coast markets for crude coconut oil. Prices were advanced by local interests to 3½c. per pound in tankcars. On the Coast there was also an advance of ¼c. Business here remained quiet, although there were reports late in the week of some increase in the volume of inquiries received. Refined oil was unchanged. Preliminary figures issued last week from an official source showed that imports of coconut oil during the period from January 1 to April 2 were 89,919,252 pounds, or 20.1 percent of the allowable quota.

SAN FRANCISCO, Apr. 12.—Coconut oil is quoted today on the basis of 3⅛c. to 3¼c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills for delivery in nearby and forward positions.

Corn.—The market for crude oil had a somewhat easier tone, reports being current of offerings at concessions of ⅛c. The inquiry was slow, consumers being inclined to hold off for further developments in other commodities. Refined oil was in fair demand and steady.

Oiticica.—Quotations were advanced ½c., the stronger tone of the market being a reflection of the course of chinawood oil which was influenced by an upward trend in prices abroad. Offerings were light. There was a fair inquiry.

Olive.—Demand for denatured oil was still limited to moderate quantities as many consumers were disinclined to purchase ahead to any extent. There were reports of further shading of prices but late in the week the tone of the market appeared to be steady. Foots met with a fair inquiry for moderate quantities.

Peanut.—A steady tone was reported in Southern markets for crude oil. Offerings were light in all sections while the inquiry was fair.

Trading in shelled peanut futures on the New York Produce Exchange from April 9 to April 14, inclusive, comprised 11 contracts, a total of 330,000 pounds. Following is a price record for the week:—

	Cents per pound—High.	Low.	Close.
May	5.65	5.65	5.60@5.90
July	5.85	5.80	5.80@5.93
September	5.75	5.75	5.73@5.88
October	5.65	5.65	5.60@5.75
December	5.70	5.57	5.65@5.75

Perilla. — Prices were generally stationary but the tone of the market appeared to be steadier. There were reports of a somewhat better inquiry. Spot supplies in some quarters appeared to have diminished.

Rapeseed. — Quotations were steady at recently reduced levels. The inquiry was light, consumers being inclined to hold off for further developments in other commodities.

Soybean.—Quotations were unchanged and the tone of the market appeared to be steady. There was little to record in the way of business improvement.

Teaseed.—Demand was quiet and the market remained in an easy position, offerings being noted at further concessions of ¼c.

Markets at Other Centers

San Francisco, Apr. 12.—Business in the assorted list of vegetable oils last week turned and started looking upwards once more when the market here became rather active in spots and prices on some items advanced. With chinawood oil, the movement was reported good, especially in Los Angeles, the price upping to 11½c., tankcars Coast. Both prompt and forward positions were said to be involved. Hongkong cables indicated that suppliers were tending to withdraw their offerings.

COTTONSEED. — Japanese semi-refined oil is quoted on the basis of 7.60c. per pound in tankcars, duty paid, f.o.b. San Francisco for early shipment out of the Orient.

PERILLA.—Crude oil is quoted on the basis of 9.9c. per pound for prompt and deferred shipment in tankcars, f.o.b. Pacific Coast ports. Drum car lots, 10.3c.; l.c.l. drums, 10.7c.

RAPESEED.—Refined and denatured oil is quoted on the basis of 10½c. per pound, duty paid, tankcars, f.o.b. Pacific Coast ports.

TEASEED.—Quoted on the basis of 6¾c. to 7c. per pound in tankcars, f.o.b. Pacific Coast ports, April/June shipment from the Orient.

Chicago, Apr. 14.—The volume of business being done in the general vegetable oil market here is not very heavy, and there is a general tendency on the part of the buying trade to "let things slide." The nearby needs of buyers seem to have been taken care of, to a considerable extent.

COCONUT.—Coast basis, April-forward, 3c. to 3¼c. per pound. Refined, edible oil, 9¼c. to 9½c., barrels, car lots; and 9¾c. to 10c., barrels, less than car lots.

CORN.—Crude, low acid, 7c. to 7¼c. per pound, partly nominal. Refined, edible oil, 10c. to 10¼c. per pound, car lots; and 10¼c. to 10½c., barrels, less than car lots.

CHINAWOOD.—Ruling nominal, 13¼c. to 13½c. per pound, prompt.

PEANUT.—Crude, 7⅛c. to 7¼c. per pound.

SOYBEAN.—Crude, mills, 5⅞c. to 6c. per pound.

The market for soybeans on the Chicago Board of Trade was irregular. Trading was quiet much of the time and changes in quotations were within narrower limits than in recent preceding weeks. There was a somewhat better inquiry for cash beans, sales being reported at 90c. to 93c. per bushel for No. 3. Offerings of cash beans and speculative contracts were light and sentiment among traders appeared to be less bearish than it was a while back, especially as the tone of the grain markets appeared to have undergone improvement. Receipts here during the week ended April 9 were 51,000 bushels against 58,000 bushels in the same week last year. Primary arrivals were 69,000 bushels against 88,000 bushels. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing—April 14.	April 8.
Cash, No. 3	$0.93	$0.90	$0.93	....
May	.95¾	.93	.93¾	.94
July	.93½	.91½	.91½	.92¼
October	.89¼	.87¾	.88	.88¼

Linseed Oil

Price movements in domestic and foreign markets for flaxseed were generally moderate. Linseed oil, cake and meal steady.

Flaxseed—DULUTH, Apr. 14.—With only 19,000 bushels of flax in store here, and not a cash sale of record in the last two weeks, the flax market at this point might well be said to be in a condition of coma. As a matter of fact, there is no flax left to trade in, and as the crop of last year was one of the lowest on record, it was gobbled up by crushers without the usual trading facilities having a chance. The opening of navigation, now near at hand, means nothing as there is nothing left to ship.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *{distilled}*
STAR BRAND *{saponified}*
CANARY BRAND
{very pale yellow, especially suitable for best types of dry cleaners' soaps.}

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

CRESYLIC ACID
English A.D.F. Specification
FATTY ACIDS
All Kinds
JAPAN WAX
CARNAUBA WAX
T. G. COOPER & CO., Inc., 47-49 N. Second St., Philadelphia, Pa.

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID
STEARIC ACID
RED OIL
FATTY ACID
GLYCERINE
STEARIC and BEESWAX CANDLES
CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

ASK WECOLINE *before You Buy*
WHITE DISTILLED
FATTY ACIDS
• COCONUT • CORN
• SOY BEAN • LINSEED
• WHITE OLEIN • LAURIC
• SPECIALTY FATTY ACIDS
Factory: Boonton, N. J.
Sales Offices - - New York City and Chicago
WECOLINE PRODUCTS INC.

W.C.HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
FATTY ACIDS
Cottonseed Oil Coconut Oil Palm Oil
Corn Oil Lauric Specialty
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio - Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5634 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$1.94	$1.94	$1.94
Monday	1.93	1.93	1.93
Tuesday	1.92	1.92	1.92
Wednesday	1.93	1.93	1.93
Thursday	1.95	1.95	1.95

Crop movement in bushels follows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week..	....	....	....	....
Since Aug. 1...	697,126	1,026,003	1,126,028	676,135

MINNEAPOLIS, Apr. 15.—The movement of flax to market is erratic but at no time is the volume great, even for this time of the year. Compared with year ago figures the in movement is small and according to the government report there should be little or nothing left in the country to move. Receipts are straggling in from a wide territory. Quality averages pretty poor and most of the day to day offers are being picked up for storage and probable delivery in May.

With receipts light and crushing operations almost nil there is virtually no change in the total of local stocks from week to week. Shipping advices from the country are small and scattering. Interior shippers usually hold back their best quality for Spring seeding and may be doing it this year. Local seed houses report a very small demand for seed stock for this time of the season but usually they do not trade very freely until the early part of May.

There is a general urge among linseed interests to increase production in the Northwest and a strong hope that the government preliminary estimate of acreage will prove altogether too conservative. Much land in the Northwest contains more moisture this Spring than for 3 to 5 years past and farmers are more than ordnarily optimistic.

The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$2.00½	$1.96½	$1.93
Monday	2.00	1.96	1.94
Tuesday	2.00	1.96	1.95
Wednesday	2.00¼	1.96¼	1.95¼
Thursday	2.03	1.99	1.98

Crop movement in bushels as flolows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week..	20,180	24,840	12,080	2,980
Since Sept. 1...	3,419,770	3,126,590	738,750	312,530

WINNIPEG, Apr. 15.—Trading in flaxseed futures remained quiet and cash demand was also slow. The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$1.50⅝	$1.51⅝	$1.52⅞
Monday	1.51	1.52	1.53
Tuesday	1.50	1.51	1.53
Wednesday	1.50¾	1.51¾	1.53
Thursday	1.53⅞	1.54¾	1.55⅞

BUENOS AIRES, Apr. 14.—Opening prices per bushel on April contracts were:—

	Last week.	Last year.
Saturday	$1.26⅝	$1.34½
Monday	1.26⅞	1.34½
Tuesday	1.25⅝	1.31⅞
Wednesday	1.26⅛	1.26⅞
Thursday	*..	1.30½
Friday	*..	1.25¾

* Holiday.

Exports

To—	Bushels Last week.	Bushels Previous week.	Bushels Last year.
United States.....	20,000	370,000	913,000
United Kingdom..	.....	.....	.....
Continent	543,000	283,000	669,000
Orders	110,000	783,000	406,000
Others	16.00	.....	71,000
Totals	689,000	1,436,000	2,059,000

Since January 1

To—	Bushels This year.	Bushels Last year.
United States.....	4,620,000	12,952,000
United Kingdom.....	566,000	472,000
Continent	9,089,000	7,682,000
Orders	4,976,000	9,984,000
Others	852,000	1,792,000
Totals	20,103,000	32,882,000

• OILS •
CHINA WOOD OIL
PERILLA OIL
SARDINE OIL
SPOT FUTURE
L. N. JACKSON & CO., Inc.
29 Broadway New York, N.Y.

Visible Supply

	Bushels.
Last week	7,087,000
Previous week	6,693,000
Last year	8,268,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels Last week.	Bushels Previous week.	Bushels Last year.
United Kingdom..	164,000	284,000	92,000
Continent	8,000	20,000	16,000
Others	.....	.....	.....
Totals	172,000	304,000	108,000

Since April 1—	Bushels This year	Bushels Last year.
United Kingdom.....	448,000	152,000
Continent	28,000	40,000
Others	.....	20,000
Totals	476,000	212,000

HULL, Apr. 14.—Quotations on flaxseed were:—

	Per ton La Plata.	Per ton Bombay.
Saturday	£12	£13⅜
Monday	12⅛	13⅜
Tuesday	12	13⅜
Wednesday	11⅞	13¼
Thursday	11⅞	13¼

Linseed Oil.—Quotations were generally maintained at former levels by crushers. The undertone of the market, however, was regarded as steadier. Withdrawals on contracts showed an expansion as a result of the favorable weather prevailing in many parts of the country for building and painting operations. Also new business was more active, an increase in the volume of inquiries from consumers in the paint and linoleum industries being attributed to developments at Washington and to a steadier tone in the markets for many other vegetable oils.

Trade in cash flaxseed in Northwestern markets was quiet but this was apparently due to the light offerings rather than to a lack of buying interest. The crop movement continued on a small scale and seemed likely to remain so as unsold supplies in the hands of growers are said to be unusually light.

Additional moisture was received in the Northwest and favorable reports continued to be received concerning the condition of the soil. Advices from Argentina also reported favorable crop prospects. There were no arrivals of flaxseed at the port of New York last week.

Linseed oil futures were nominal in the local market in the absence of transactions.

MINNEAPOLIS, Apr. 15. — The first break in the dull linseed oil situation developed in the past few days when some round lots were picked up for shipment up to and including June. Small lot business was a little slower on account of the weather but orders are beginning to improve again. The changed political situation at Washington is slightly more encouraging and larger buyers are beginning to look around for raw material.

Quotations on carload lots, f.o.b. Minneapolis, tankcars, 9.3c. per pound; coopered, 9.9c. per pound; warehouse lots, 10.3c. per pound.

Shipments of oil in pounds were as follows:—

	1938.	1937.
This week	1,442,050	2,498,567
Since Sept. 1	35,558,811	42,080,405

SAN FRANCISCO, Apr. 12.—There has been no buying of linseed oil of consequence here. Quoted:—Tankcars, 9.5c. per pound; drum lots, ex mill, 10.1c.; drum lots, ex warehouse, 10.5c.

CHICAGO, Apr. 15.—A fairly good demand has been developing in linseed oil. Ruling prices are:—Tankcar, 9.3c. per pound; car lots, 9.9c.; less than car lots, 10.3c.

LONDON, Apr. 14.—Quotations on linseed oil were:—

	Per cwt. s.	Per cwt. d.
Saturday	25	3
Monday	25	3
Tuesday	25	1½
Wednesday	24	10½
Thursday	25	1½

Cake and Meal.—The market retained a steady tone, quotations being maintained at former levels. There was a somewhat better domestic inquiry for moderate quantities of meal. Export trade in cake was quieter.

THE BRODÉ CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yoppe, Robinsons, Bentleys, A. B. C. 5th Edition

DARLING'S
STEARIC ACID RED OIL PEARL STEARIC
PITCH WHITE OLEINE GLYCERINE
DARLING & COMPANY
Manufacturers 4203 S. ASHLAND AVE., CHICAGO, ILL. Stocks in Principal Cities

Cottonseed Crushings Increase

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out, and held, August 1 to March 31, 1938, and 1937, amounted, according to the Bureau of Census, to the following quantities:—

Cottonseed

Received, Crushed and Held

	Tons Received at mills* Aug. 1 to Mar. 31. 1938.	Tons Received at mills* Aug. 1 to Mar. 31. 1937.	Tons Crushed Aug. 1 to Mar. 31. 1938.	Tons Crushed Aug. 1 to Mar. 31. 1937.	Tons On hand at mills March 31. 1938.	Tons On hand at mills March 31. 1937.
United States	6,303,107	4,391,596	5,500,054	4,101,930	844,628	311,357
Alabama	413,461	329,168	377,530	318,987	36,212	10,898
Arkansas	612,149	441,465	506,952	404,937	105,081	37,154
California	284,553	173,785	176,895	137,477	113,126	37,416
Georgia	583,918	461,900	530,718	436,423	55,528	27,119
Louisiana	268,846	227,644	258,463	221,204	10,587	8,114
Mississippi	978,060	815,996	782,621	690,740	203,405	127,292
North Carolina	280,759	226,713	265,113	221,833	16,057	5,570
Oklahoma	276,645	82,888	271,680	82,988	5,467	955
South Carolina	265,936	215,507	256,311	213,412	10,275	3,280
Tennessee	425,454	352,316	384,865	322,396	41,002	30,731
Texas	1,647,203	902,392	1,481,421	896,989	188,654	15,279
All other states	266,123	161,822	207,485	154,544	59,234	7,549

* Includes seed destroyed at mills but not 42,394 tons and 21,926 tons on hand August 1, nor 123,634 tons and 75,535 tons reshipped for 1938 and 1937, respectively.

Cottonseed Products

Manufactured, Shipped Out, and Held

	On hand August 1.	Produced Aug. 1 to Mar. 31.	Shipped out Aug. 1 to Mar. 31.	On hand Mar. 31.
Crude oil, pounds—				
1937-1938	*11,141,266	1,687,510,825	1,633,838,562	*163,846,863
1936-1937	19,191,508	1,234,168,878	1,218,902,639	101,903,832
Refined oil, pounds—				
1937-1938	†441,052,343	‡1,382,092,753	.....	†564,285,815
1936-1937	318,873,305	1,090,268,648	.....	578,772,090
Cake and meal, tons—				
1937-1938	41,952	2,450,326	2,216,478	275,800
1936-1937	65,053	1,838,089	1,764,355	138,787
Hulls, tons—				
1937-1938	43,422	1,411,289	1,286,246	168,465
1936-1937	23,893	1,045,112	951,014	117,991
Linters, running pales—				
1937-1938	61,547	1,260,529	785,142	536,934
1936-1937	43,819	1,015,089	884,443	174,465
Hull fiber, 500-lb. bales—				
1937-1938	1,828	54,614	24,285	32,157
1936-1937	88	41,226	38,289	3,025
Grabbots, motes, etc., 500-lb. bales—				
1937-1938	7,379	67,561	28,411	46,529
1936-1937	2,991	46,643	37,175	12,459

* Includes 4,272,188 and 73,480,362 pounds held by refining and manufacturing establishments, and 4,369,480 and 34,194,640 pounds in transit to refiners and consumers August 1, 1937, and March 31, 1938, respectively.

† Includes 13,349,453 and 9,957,241 pounds held by refiners, brokers, agents, and warehousemen at places other than refineries and manufacturing establishments, and 7,957,878 and 5,369,568 pounds in transit to manufacturers of lard substitute, oleomargarine, soap, etc., August 1, 1937, and March 31, 1938, respectively.

‡ Produced from 1,513,220,019 pounds of crude oil.

Exports and Imports for Seven Months Ended Feb. 28

	1938	1937.
Exports—		
Oil, crude, pounds	2,202,686	99,368
Oil, refined, pounds	4,221,822	1,073,688
Cake and meal, tons of 2,000 pounds	80,389	3,823
Linters, running bales	175,251	147,545
Imports—		
Oil, crude, pounds	*4,094	7,898,172
Oil, refined, pounds	*22,999,496	64,135,221
Cake and meal, tons of 2,000 pounds	3,457	16,199
Linters, bales of 500 pounds	8,181	32,690

* Amounts for March not included above are 38,818 pounds crude, and 4,047,547 refined "entered directly for consumption," 1,161,806 refined, "withdrawn from warehouse for consumption," and 783,475 refined, "entered directly into warehouse."

MINNEAPOLIS, Apr. 15.—Demand for meal is steady in a small way. Output is very light and crushers are distributing their small reserves to best advantage among regular customers. Most of the warehoused stock is owned by one broker and he is peddling same in less than carload lots.

Quotations on car lots lots, f.o.b. Minneapolis, 100-pound sacks, $41 to $41.50 per ton.

Shipments of meal in pounds were as follows:—

	1938.	1937.
This week	768,475	2,306,560
Since Sept. 1	101,045,750	72,337,455

CHICAGO, Apr. 15.—Buyers of linseed meal seem willing to take a fairly good volume of material. Ruling prices are:—Round lots, $41 per ton, largely nominal; car lots, $41.50 to $42; less than car lots, $43.50 to $44.

Cottonseed Oil

The market for refined cottonseed oil futures was quieter. Prices were irregular. Southern markets for cottonseed products generally steady.

Cottonseed Oil. — Speculative operations in the local market for refined oil futures showed some slowing down last week. This was due in some measure to the fact that the Easter holidays were at hand with a suspension in business in the markets here and abroad from Thursday night until the opening of this week. In such circumstances many local and other traders were disposed to holf aloof from the speculation, curtail operations, especially in view of the prevailing uncertainty concerning tax and other legislation at Washington and the unsettled political and financial conditions here and abroad. Prices showed irregularity, changes generally being moderate. Late in the week, however, prevailing sentiment appeared to be more bullish, for the time being at least, as a result of inflationary talk and upturns in securities and other commodities.

The lard, cotton and grain markets displayed strength after earlier irregularity, the upward trend in these commodities being attributed to general buying on the rise in securities and stimulating reports from Washington concerning business recovery plans. Coconut oil was higher, influenced by a stronger market for copra abroad. Offerings of copra from the primary market were reported as very light. Southern markets for crude cottonseed oil were firmer, offerings being reported as light in all sections.

The monthly cottonseed report from the Census Bureau showed that the consumption of refined oil during March was 359,577 barrels against 428,531 barrels in the previous month and 219,300 barrels in the same month last year. The March figures brought the total consumption for the first eight months of the current season up to 3,146,884 barrels against 2,065,922 barrels in the same time last season. The visible supply showed a decrease during the past month of 200,000 barrels. This compared with a decrease in the same month last season of 155,000 barrels. The total visible at the close of March was 2,393,700 barrels against 1,898,300 barrels a year ago.

Receipts of seed at the mills from August 1 last to March 31 were 6,303,107 tons against 4,391,596 tons in the same time last season; crushed, 5,500,054 tons against 4,101,930 tons. Production of crude oil for the first eight months of the season was 1,687,510,825 pounds against 1,234,168,878 pounds in the same time last season; refined oil, 1,382,092,753 pounds against 1,090,268,848 pounds. Stocks of seed at the mills at the close of March were 844,628 tons against 311,357 tons at the same time last year; crude oil, 163,846,863 pounds against 101,903,832 pounds; refined oil, 564,285,815 pounds against 578,772,090 pounds.

Receipts of hogs in the principal Western markets for four days of the week aggregated 161,900 head against 215,700 head in the same time last year. The weight of the hogs received in

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Chicago during the week ended April 9 averaged 255 pounds against 258 pounds in the previous week. Stocks of lard in cold storage in the United States April 1 were 121,413,000 pounds against 217,227,000 pounds a year ago. The weekly government report on the progress of the new cotton crop was mainly bullish.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from April 9 to April 14, inclusive, comprised 422 contracts, a total of 25,320,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	8.38	8.17	8.17 sale
July	8.24	7.97	8.22 sale
September	8.19	7.94	8.16 sale
October	8.15	7.90	8.11@8.13

Crude, Southeast—7.00c. Nom.

Chicago, Apr. 14.—The cottonseed oil market has been somewhat steadier, with tone apparently healthier, and with buying of fair proportions. Good, off-Summer, yellow fig oil is 8½c. per pound. Refined, edible oil is 9¾c. to 10c., barrels, car lots; and 10c. to 10¼c., barrels, less than car lots.

Hull, Apr. 14.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s. d.	Egyptian crude. Per cwt. s. d.
Saturday	20 0	17 0
Monday	20 0	17 0
Tuesday	20 0	17 0
Wednesday	20 0	17 0
Thursday	20 0	17 0

Cake and Meal.—Southern markets were generally reported as quiet and steady. According to official statistics production of cake and meal during the first eight months of the current season was 2,450,326 tons against 1,838,089 tons in the same time last season; stocks at the close of March, 275,800 tons against 138,787 tons.

Markets at Other Centers

Atlanta, Apr. 13.—A fair demand for cottonseed meal by fertilizer mixers is reported, a considerable amount of which is being exchanged by farmers for fertilizers. The Southeastern demand, with stocks comparatively low, has permitted the price to maintain a level above that of the Mississippi valley.

Prime crude oil is quoted at 7 cents and slightly above. Southern manufacturers of oil products are reported to have had a very good season.

Planting has been further delayed by inclement weather and by lateness in getting federal loans with which to buy fertilizers.

MEMPHIS, Apr. 15.—Crude cottonseed oil ruled quiet during the week. Some scattered lots available at 7c. Mills feel better over the situation on developments at Washington. Meal steady at an advance of 50c. in company with outside commodities. Prime 41 percent meal, $21.50 per ton, Memphis basis. Bulk slab cake, $19 per ton for 41 percent at Valley points. Crop preparations getting backward. Considerable replanting necessary in some sections.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	April 7.	April 14.
May	$21.15@—	$21.50@21.60
July	21.45@—	21.80@22.00
August	21.80@22.10	22.15@22.35
September	22.25@22.40	22.45@22.50
October	22.35@22.50	22.50@22.90

Fatty Acids

Coconut Oil.—The market for this fatty acid had a steadier tone although prices were generally maintained at the levels prevailing in the previous week. Basic material was firmer, however, and the tone of various other commodities showed improvement as compared with recent preceding weeks. There was a fair movement to consumers in the soap, cosmetic and synthetic industries.

Cottonseed Oil.—A steady tone continued to prevail in the market for cottonseed oil fatty acid. No change of consequence was noted in the attitude of consumers, many of whom were still disinclined to purchase to any extent in advance of current needs, but there was a fair movement on contracts and transient orders. Variations in prices for basic material were within moderate limits.

Linseed Oil.—Consumers were generally disposed to adhere to a conservative course in purchasing operations but the movement to makers of synthetic resins and soaps was apparently up to that of recent preceding weeks. The market for basic material appeared to have a steady tone and sellers of fatty acid were disposed to maintain selling schedules at previous levels.

Myristic Acid.—The market was quiet but the tone continued steady and quotations remained where they stood in the previous week. There were reports of a fair inquiry. The movement into consuming channels in recent weeks has been sufficient to keep supplies down to a low level.

Soybean Oil.—Quotations on this fatty acid were stationary and the tone of the market appeared to be steady in the absence of any further change in the position of basic material. Supplies available for prompt delivery appeared to be comparatively light as production in recent weeks has been curtailed. There was a fair inquiry from makers of synthetic resins.

Stearic Acid.—Basic material appeared to be in a somewhat steadier position but aside from this the situation lacked features of interest. Quotations were unchanged. There was little change in the attitude of consumers, many of whom were still disposed to limit their takings to compartively small or moderate quantities to fill current and nearby requirements.

Markets at Other Centers

Chicago, Apr. 14.—Purchases of fatty acids are described as being fairly good, but nothing unusual here. Prices are just about steady.

FATTY ACIDS.—Corn oil, double distilled, 7½c. to 8c. per pound, tankcar; 8c. to 8½c., barrels, car lots; 8½c. to 9c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c. tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7¼c. to 7¾c. per pound, tankcar; 7¾c. to 8¼c., barrels, car lots; 8¼c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2¾c. to 3c.; boiled down soap stock, 65 percent basis, 3¾c. to 4c.; cottonseed foots, 50 percent basis, 1¼c. to 1½c.

RED OILS.—Distilled or saponified, drums, 9½c. to 10½c. per pound; barrels, 9⅝c. to 10⅝c.

STEARIC ACIDS.—Distilled, single press, 10½c. to 11½c. per pound; double press, 11c. to 12c. per pound; triple press, 13¾c. to 14¾c.; saponified, ¼c. higher.

Fish Oils

Menhaden.—There were no further developments in the way of price changes, the market being steady at the reduction in selling schedules announced in the previous week. Consumers were still generally disinclined to purchase in advance of actual needs but an increase was noted in the call for small or moderate quantities for prompt shipment.

Sardine.—Selling schedules were maintained by local refiners at the recently lowered levels and the tone of the market appeared to be steady. There was a somewhat better inquiry though purchasing was limited to unimportant quantities. Crude was quiet on the Coast.

Whale.—There was a fair inquiry for small lots of refined oil and the market was steady. Correspondence from London dated March 25 stated that the production of whale oil for the 1937-38 season is estimated at approximately 3,500,000 barrels, or about 500,000 barrels more than in the previous season.

LONDON, Mar. 25.—Discussions have recently taken place between the organized producers and the consumers, especially Germany, in regard to the selling at fixed prices of that part of the catch which has not yet been disposed of to dealers. Japan has upset these negotiations by offering approximately 25,000 tons at very low prices and has succeeded in selling the whole of her production at prices varying between $61.25 and $66.25 per ton.

British and Scandinavian producers, in view of higher wages and freights and the increased cost of materials, refuse to sell at this low price. As a result considerable quantities of oil have been stored or will be stored in the near future.

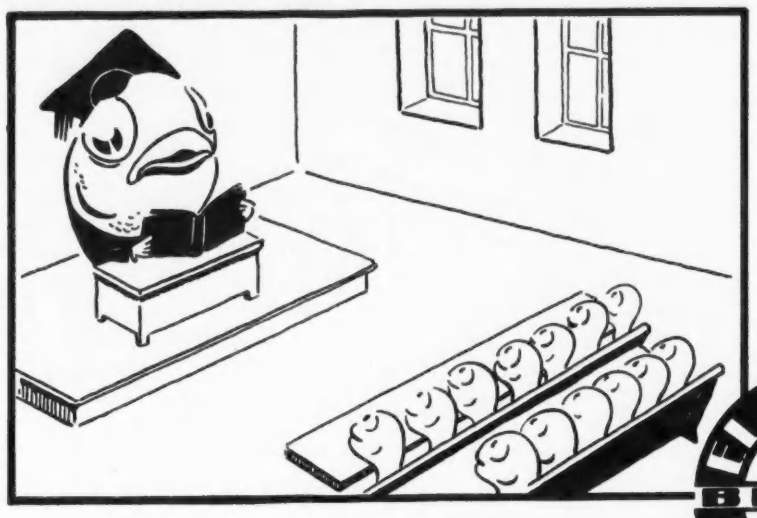
Markets at Other Centers

San Francisco, Apr. 12.—Last week proved to be another dormant period in the matter of business in fish oils. No

—*Continued on page* 58

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Elastoil Fish Scale Sketches



ELASTOIL BRAND PRODUCTS

From Night School to Refinery - - - in 12 Hours

SARDINE OIL
MENHADEN OIL
PERILLA OIL
SOYA BEAN OIL
WALNUT OIL
CHINA WOOD OIL
OITICICA OIL
RAPESEED OIL
SPERM OIL
WHALE OIL
NEATSFOOT OIL

At night the boats locate a school of sardines, catch them in purse nets several tons to the haul and steam for the refinery. Sardines for Elastoils are in the expellers within twelve hours after they leave the water. Such absolute freshness at the start is one reason Elastoil Brand Sardine Oil can readily be processed to give superior results in paints, varnishes, inks, and similar products.

Elastoil products through twenty years of constant development have practically eliminated the word "fish" in connection with these highly developed oils. Years of study and development at our Philadelphia and Los Angeles refineries have introduced new uses for Elastoils in finishes where fish oil was formerly "taboo". Their freedom from fishy odor and their excellent durability have made them highly desirable oils.

Our Technical Service Department will be glad to help you select an Elastoil Product that is practically "tailor made" to your need. May we hear from you?

REFINERS AND PROCESSORS
IMPORTERS, EXPORTERS AND MANUFACTURERS

Murray Oil Products Company
Main Office and Plant—Margaret and Pearce Streets, Philadelphia, Pa.

Industrial Oil Products Corporation
Office and Plant—5641-47 South Riverside Drive, Los Angeles, Cal.

A Guaranty of MERCK *Purity & Reliability*

VITAMIN B_1 *Merck* CRYSTALS

Pure Crystalline Vitamin B_1 Hydrochloride with a Potency of 300,000 International Units per Gram

IMPORTANT INDICATIONS

Anorexia of Dietary Origin · · Beriberi · · · · Alcoholic Polyneuritis · · · Essential for Optimal Growth of Infants and Children

May be administered orally or parenterally. Very soluble in water and slightly soluble in alcohol.

ASCORBIC ACID *Merck*

Pure Crystalline Vitamin C with a Potency of 20,000 International Units per Gram. Equivalent to about 2,000 cc. of fresh lemon or orange juice

IMPORTANT INDICATIONS

For Prevention and Correction of Vitamin C Deficiency. ESPECIALLY INDICATED IN: Restricted Diets of Inadequate Vitamin C Content. Gastro-intestinal Diseases with Impaired Absorption. Allergy to, or Intolerance of Foods Rich in Vitamin C. May be administered orally or parenterally.

Samples and Literature on Request

OTHER DIETARY FACTORS NOW AVAILABLE

Nicotinic Acid **Riboflavin (Lactoflavin)**

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

New York: 161 Sixth Avenue · Philadelphia: 916 Parrish Street · St. Louis: 4528 S. Broadway

In Canada: Merck & Co. Ltd., Montreal and Toronto

Drugs, Fine Chemicals

Chinese Seeking Funds Here to Buy Quinine—Foreign Country Buys Quicksilver Heavily on Pacific Coast—Ephedrine Prices Reduced—Menthol Lower

The drug and fine chemical market last week contained more of news and less of price developments. Lower quotations were named on menthol, and ephedrine alkaloid and its salts. Beyond that, the market lacked developments of a price nature.

Inactivity of prices generally contrasted with the news angles in the market. First came the confirmation of heavy buying of quicksilver by a foreign buyer operating on the Pacific Coast through a San Francisco bank that stored the metal in its own vaults.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Ephedrine alkaloid, 50c. per oz.
hydrochloride, 50c. per oz.
sulphate, 50c. per oz.
Menthol, 5c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
180.0	**180.2**	**180.1**	**181.2**

Market news that may have developed after this report was sent to press will be found on page 4.

The quantity taken was approximately eleven hundred flasks and the purchase was made at the then prevailing price in New York. The operation cleaned up Pacific Coast stocks and even moderate replenishment cannot be accomplished earlier than thirty days. In the meantime, news reports indicated that because Italian mercurials are selling so cheaply on this market, charges of dumping may be filed at Washington and protection sought for the American manufacturers.

Quinine came into the news of the week when Chinese university students and Boy Scouts began a drive to collect $20,000 with which to buy a ton of quinine for shipment to the Chinese Red Cross at Hong Kong. The Red Cross there needs three to four tons. The money can probably be raised, but it was not definitely established that the quinine bought would be that of American manufacture.

Demand for drugs and fine chemicals was extremely light last week. However, some reports reaching the leading manufacturers indicated that many of the larger manufacturing consumers have been living on their inventories for months and that in all probability such stocks have been so reduced that a gain in sales volume should reach the market soon and cover a broad range of materials.

Acetanilide.—Slightly more demand was noted and the market as a whole had a very steady undertone throughout the past week. Stocks available in the hands of suppliers were ample and would readily cover any important expansion in consumption needs.

Acid, Boric.—Well stabilized prices were the rule and while the movement lacked new development, the absorption of production was in very fair-sized volume and that tended to hold conditions steady. The next substantial change in the market seemed likely to come at mid-year when contract renewals will be in order.

Acid, Citric.—More seasonable weather and temperatures gave rise to some increase in demand and forecast the normal recovery of major demand in the not far distant future. Warmer weather was almost certain to increase consumption and buyers will find prices low and reasonable.

Acid, Lactic.—A somewhat irregular demand for USP acid was noted but in the main the market had steady qualities that communicated themselves to the prevailing price structure. Stocks were ample.

Acid, Phosphoric.—Warmer weather was expected to increase consumption on the part of soft drink manufacturers and some traces of a pickup in demand was noted last week. The undertone of the market was exceptionally steady throughout the period.

Acid, Tartaric.—Some improvement in sales came with the sudden arrival of warm weather last midweek. The suppliers looked forward with confidence in the early development of highly seasonal consumption. Quotations were very firm in all directions, in that respect corresponding to the position of raw material.

Alcohol.—The market appeared to be none too firm. A seasonal slacking in sales volume has come to some of the industrial formulas and in general the movement to buyers was less than might be expected under normal trade conditions. However, so far as prices were concerned, the market seemed to be holding fairly steady, although reports of some cheap resale material were noted at times during the period under review. Stocks in the hands of the producers were ample in all respects.

Aloe.—The situation was strong in all respects. Replacement cables gave little promise of any weakening in shipment prices and the entire situation seemed opposed to a change of values favorable for the makers of aloin.

Aloin.—Undertones held very firm even though prompt demand for the material was not especially active throughout the past week. Trade was of routine sort most of the time, yet the volume was fair by the close of the period and in all respects the situation was one of considerable strength.

Ammonia Chloride.—Because of seasonal influences, major movement of the U.S.P. article has dropped substantially. The past season was one of fairly good, though possibly less than normal consumption. Prices continued to be well stabilized.

Bismuth Metal and Salts.—Trade was more than usually quiet last week. It was on a jobbing basis for the most part and gave little sign of an early return to a larger volume. Prices for salts remained steady, being already on the low side when compared with the well maintained price for metal during a long period of time during which salts had moved in favor of buyers.

Borax.—Interest centered mainly in what prices may be established when the new contract season opens in the not so distant future. If producers continue to quote on a delivered basis, then higher prices will have to be set in order to care for the higher freight rates now being paid as a separate item by those operating under first-half-of-the-year contracts. Demand was routine.

Cadmium.—Metal continued easier in undertone and while the open price was usually $1.20 per pound, reports of $1 per pound being possible were noted in local circles. Because of the dullness in automotive trades, consumption of this metal by the platers was not very large.

Castor Oil.—The market was exceptionally quiet throughout the past week. Activity in the principle consuming industries has been curtailed by the general slump in industrial enterprises. However, prices for oil continued unchanged, and lacked signs of any pending development of that sort.

CHICAGO, Apr. 14.—Castor oil business continues fairly good. Buying is rather substantial, and trade interest is good. Ruling prices are:—No. 1, barrels, car lots, 10⅛c. per pound; less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; less than car lots, 10⅝c.; tanks, 9⅜c.; No. 3, barrels, car lots, 9⅝c.; less than car lots, 10⅜c.; returnable drums, car lots, 9⅜c.; less than car lots, 10⅛c.; tanks, 8⅞c.

Cocoa Butter.—Business was very slow, yet the market had a very firm undertone because of the considerable strength prevailing in raw material in the recent past. Stocks of butter were held generally by firm hands, and no shading was noted.

Codeine.—The ordinary demand of

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Industrial and Pharmaceutical Chemicals

ISOPROPYL ALCOHOL
•
ISOPROPYL ETHER
•
DIACETONE
•
METHYL ETHYL KETONE

Selling Agents for
SHELL CHEMICAL COMPANY

R.W. GREEFF & CO.
10 East 40th Street New York, N. Y.

HEYDEN

SODIUM SALICYLATE
Crystals and Powder

Unsurpassed in Purity. Clear aqueous solution. Fine white color.

All important advantages in pharmaceutical manufacture.

Acetylsalicylic Acid • Salicylic Acid
Methyl Salicylate • Minor Salicylates
Formaldehyde • Paraformaldehyde
Hexamethylenetetramine
Creosote • Creosote Carbonate
Guaiacol • Guaiacol Carbonate
Potassium Guaiacol Sulfonate
Benzoate of Soda • Benzoic Acid
Benzyl Chloride • Benzaldehyde
Bromides • Silver Proteins • Glycerophosphates

Fine chemicals

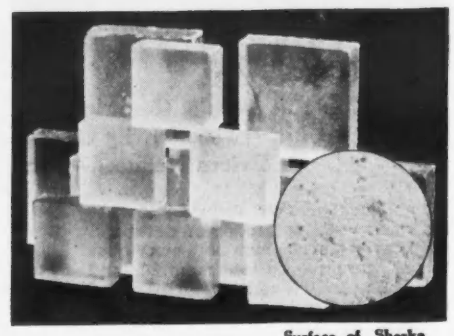
HEYDEN
CHEMICAL CORPORATION
50 UNION SQUARE NEW YORK, N. Y.
CHICAGO BRANCH: 180 N. WACKER DRIVE
Factories: Garfield, N. J. - Fords, N. J.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N.Y.
MUrray Hill 6-1990

MARTENS BRAND
OLEUM JECORIS ASELLI
THE CREAM OF MEDICINAL
Cod Liver Oil
★
A/S JOHAN C. MARTENS & CO.
BERGEN, NORWAY
Established 1838
PRODUCERS, REFINERS, WORLD MARKETERS
★
REPRESENTATIVES
H. H. ROSENTHAL CO., INC.
25 EAST 26TH STREET, NEW YORK CITY

Every Tablet of
SHERKA
CAMPHOR, U. S. P.
(*Synthetic*)
is identical in quality, purity and capacity for camphor action . . .



Surface of Sherka Synthetic Camphor U.S.P. Tablet magnified 150 times to show uniform structure and fineness.

for MEDICINAL, MOTH PREVENTIVE and OTHER PURPOSES
Meets all U. S. P. requirements—lower in price than the natural camphor. Tablets (½ and 1 oz.), Slabs (2½ lbs.) and Powder—all available from one source.
Write for comparative samples and prices to
SHERKA CHEMICAL CO., Inc. Bloomfield, N. J. — Importers
or
GEORGE UHE COMPANY
80 Eighth Avenue, New York, N. Y.
Distributors

S.A. FARMACEUTICI ITALIA
montecatini
MILANO
CALOMEL
Corrosive Sublimate
Red Mercuric Oxide
Yellow Mercuric Oxide
Prices and Samples on request
A. G. DAL-BRUN 105 W. 40th St., New York, N. Y.

Lactic acid
In ALL Strengths from 22% to 85%
TECHNICAL
EDIBLE
U. S. P.
C. P.
APEX CHEMICAL CO., Inc.
Manufacturers Since 1900
225 West 34th Street, New York City
Factory—Elizabethport, N. J.

Buyers Prefer
"O-P-D"
Market Information
because it is
Definite and
Accurate

NATIONAL BRAND
MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE
BETA LACTOSE
POWDERED-GRANULAR
IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

BORAX
Reg. U. S. Pat. Off.
PURITY GUARANTEED OVER 99.9%
Reg. U. S. Pat. Off.
AND BORIC ACID
TRONA
Reg. U.S. Pat. Off.
"TRONA" MURIATE OF POTASH
TRONA
Reg. U.S. Pat. Off.
A 95-98% Grade for Agricultural Use.
A Special High Grade for Use in the Manufacture of Industrial Chemicals.
AMERICAN POTASH & CHEMICAL CORPORATION
70 PINE STREET - NEW YORK
Stocks carried in principal cities of the United States and Canada

the Winter season has ended, leaving the present spot market quiet and subject only to routine request common to the Spring period. However, expansion is expected to come in the not far distant future.

Codliver Oil.—Better weather for fishing has prevailed in Norway, but the gain in production was negligible. A week ago oil production this year was 12,265 hectoliters behind that of a year ago. The latest report showed production to be 12,900 hectoliters behind the corresponding period last year. The market abroad was quiet. Locally, interest centered on production abroad, and buyers were awaiting further unfolding of the foreign situation before placing contracts.

BERGEN, Mar. 28.—Report No. 5.—Fishing in Lofoten was quite good also last week, especially in the eastern part, and the output in Lofoten was 7,769 hectoliters of crude medicinal codliver oil, against 8,733 hectoliters the corresponding week last year. The total production of all the other fishing districts was 836 hectoliters only and, according to the official report issued today, the total catch and production so far compare with previous years as follows:—

Fish

	Kilos	
	Lofoten.	All districts.
1938	46,500,000	79,700,000
1937	57,800,000	92,000,000
1936	33,000,000	61,400,000
1935	39,200,000	57,500,000
1934	70,500,000	88,300,000

Oil

	Hectoliters*	
1938	21,714	35,868
1937	31,490	48,768
1936	19,733	32,908
1935	27,591	36,986
1934	48,558	57,736

* To convert to barrels multiply by .88.

Corn Syrup.—All corn derivatives appeared to be on the steady side last week, so far as quotations were concerned. Syrup had a fair but not expanding movement throughout the period and quotations were well maintained. Damage to the South American corn crop was noted.

Ephedrine. — Prices were reduced. Alkaloid was down to $3.75 per ounce, and hydrochloride as well as sulphate were priced at $2.75. This was clear evidence of the continued unsettlement that accompanied recent declines in quotations. Of course, little or no demand was current.

Glycerin. — The situation was little changed. In all respects it seemed to be a fairly firm position that characterized all forms of this article on the spot and while demand was not large and expanding, it was reasonably good for quantities of fairly substantial size. No weakness in the raw materfal situation was apparent in any direction.

CHICAGO, Apr. 14.—C.p. glycerin is holding steady, along with other grades of glycerin. Orders are reaching supplies in fairly good volume. Tone seems to be firm, and buyers appear to be interested in the market. Ruling prices are:—C.p., drums, 15½c. per pound; less than car lots, 16c.; cans, 17½c. to 19½c., according to quantity; dynamite, 15½c.

Magnesia Carbonate.—All kinds of this article were firm as to price, even though the immediate movement into consumption was repressed by the reduced activity in consuming industries. Competition was less a feature in the market than it had been recently.

Menthol.—Prices on natural menthol were reduced to $3 to $3.10 per pound by competition caused mainly by ample stocks finding a very small consumption outlet at the present time. Of interest was a Michigan congressman's idea to raise sharply the duty on imported menthol in order to foster a domestic production of natural menthol from domestic peppermint oil. The fact that USP synthetic menthol has been slowly capturing the natural menthol market seemed to have been forgotten. By making importation unprofitable by raising the duty, the domestic synthetic menthol industry would receive substantial stimulation and it is difficult to see when and how the domestic peppermint oil makers could ever reap the benefits expected by the congressman.

Mercurials.—The market remained easy in all respects. However, because of the situation in raw material, the market was being watched somewhat more closely than current trade and general market position might warrant. Demand for mercurials was routine in all respects.

Methyl Acetone.—Quiet business was the rule. Competition was keen in all ways and at all times and hence the general price situation was none too steady—although there was a total lack of open change in the situation.

Phenolphthalein.—The market was very steady on the surface at least. Prices continued in well stabilized position and were backed by a steady if not especially improved demand from manufacturing consumers. Stocks were in normal reserve.

Quicksilver.—Some definite information regarding heavy buying on the Pacific Coast was in hand. During the first week of April, at least eleven hundred flasks were bought there by a bank acting for a buyer in some undeclared foreign country. The price paid was the New York market at $72 per flask. The purchase took all the metal available on the Coast; had more been available, more could have been sold readily. The metal was stored in the bank vaults. The spot market was substantially firmer.

SAN FRANCISCO, Apr. 12.—Demand has been good on quicksilver. Large blocks of metal have been sold during the last fortnight and the price situation is holding well. Eastern buyers are showing good interest and the market is strong and well maintained in the vicinity of $75 per flask, New York basis.

Quinine.—Of interest was the activity of a group of Chinese university students and Boy Scouts in seeking a fund of $20,000 with which to purchase one ton of quinine for shipment to China. The activity resulted from a recent appeal sent here by the Chinese Red Cross in Hongkong. The reports said further that three or four tons were urgently needed to combat malaria in China.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 500 ounces, small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	31½	42¾	18⅝
Monday	31½	42¾	18⅝
Tuesday	31½	42¾	18⅝
Wednesday	31½	42¾	18⅝
Thursday	31½	42¾	18⅝
Friday	31½	42¾	*

* Holiday.

RUSSIAN WHITE MINERAL OILS

Genuine Imported U. S. P. FLAG BRAND All Viscosities

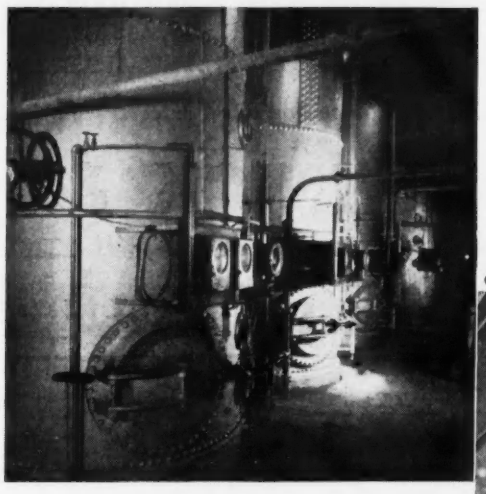
WHITE OILS

TECHNICAL WHITE OILS FOR INDUSTRIAL USE
NAPHTHENIC ACID SLUDGE . . . NAPHTHENIC SOAP

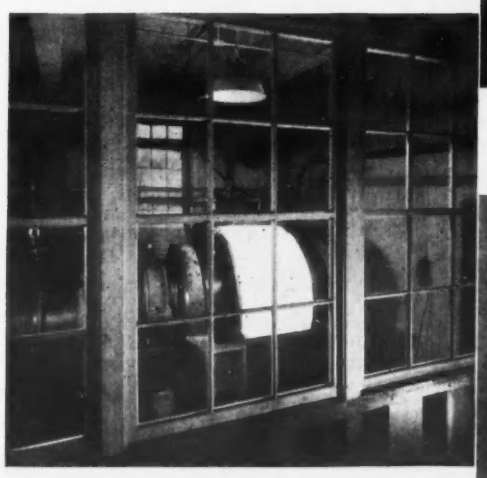
S. Schwabacher & Co., Inc., 25 BEAVER STREET NEW YORK

Established distributors wanted *Inquiries Invited*

RECRYSTALLIZATION AND PROCESS REFINEMENTS PRODUCE HIGH PURITY IN DOW EPSOM SALT, U.S.P.



1. After the epsom salt solution has been brought to correct concentration, treated and filtered, it is crystallized in these rubber and Monel metal-lined, high-vacuum crystallizers of Dow design.



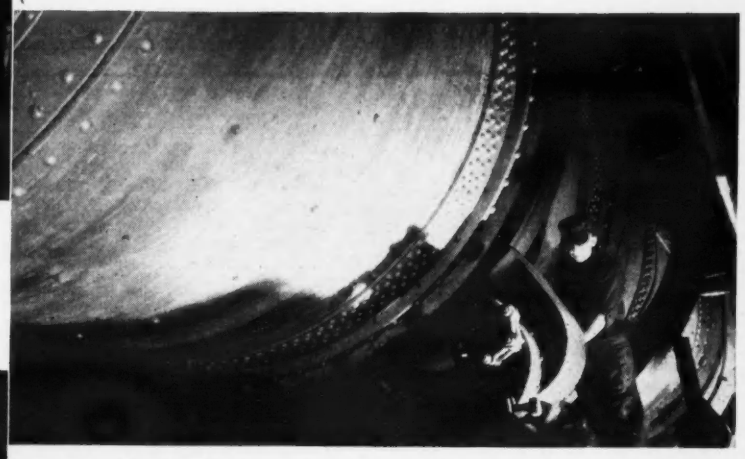
2. Continuous vacuum rotary filters, operating in air-conditioned rooms, complete the separation of the epsom salt crystals from the solution.

Recrystallization and special process refinements give Dow Epsom Salt, U.S.P., the exceptional purity *exceeding* even the high standards of U. S. Pharmacopoeia.

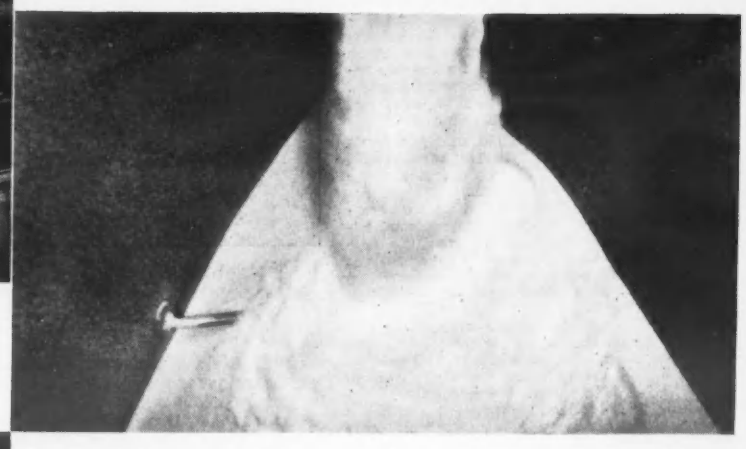
During processing, Dow Epsom Salt is alternately crystallized and washed with filtered water which removes both chemical and mechanical impurities.

To further safeguard the quality of this product, all equipment is lined with rubber or Monel metal.

The white, sparkling, uniform, needle-shaped crystals that characterize Dow Epsom Salt, U.S.P., Recrystallized, symbolize its extreme purity.



3. After filtering, the epsom salt crystals are discharged into this 12 ft. diameter by 50 ft. long Monel metal-lined rotary dryer. Uniform crystals for pharmaceutical use are then obtained by means of vibrating screens.



4. Completely processed, the epsom salt is continuously sampled as it enters each bin. No packaging is done until each sample has been tested for chemical purity, freedom from foreign material, crystal form, dryness and color.

DOW*

*Trade Mark Reg. U. S. Pat. Off.

PRODUCERS OF MORE THAN 300 CHEMICAL PRODUCTS.

Attend the Annual Dinner of the Drug, Chemical and Allied Trades Section of the New York Board of Trade—Waldorf-Astoria, March 3rd.

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN

Branch Sales Offices: 30 Rockefeller Plaza, New York; Second and Madison Streets, St. Louis; Field Building, Chicago; 584 Mission Street, San Francisco; 2260 East 15th Street, Los Angeles.

How We Get Botanicals to You So Quickly

RIGHT: Penick plants are located in several different sections of the country. Shipments to any destination are made from the nearest Penick plant — a worthwhile time and freight economy to you.

ABOVE: Superior physical resources, modern equipment and methods facilitate and speed up such operations as milling. More time saved in filling orders.

LEFT: Large and varied stocks of botanicals permit complete and accurate filling of orders *quickly*. Rarely do we have to wait for replacements.

ORDER from one reliable non-competitive source — Penick — quality:

GUMS, BOTANICAL DRUGS, ALKALOIDS, FISH LIVER OILS, COSMETIC RAW MATERIALS, INSECTICIDE BASES

Ask to be placed on our "Price List and Manual" mailing list

S. B. PENICK & COMPANY

132 Nassau Street, New York **1228 W. Kinzie Street, Chicago**

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Castor Plant Cultivation And Utilization Planned

—Continued from page 5

3. We produced a plant with none of the problems characterizing the early and haphazard efforts to grow it in the United States many years ago.

4. We operated a trial project which gave us data on all aspects of the cultivation of the plant—season, crop, yield, harvesting, soil effects, crop-rotation, etc.

5. We processed the beans for the conventional oil, such as it is imported, recording very favorable results.

6. We placed in our laboratories the stalk, leaves, pomace (press cake) from the seeds, and produced by-products for which there is an open market, such as cellulose, insecticides, plastics, and fertilizer.

7. We were not satisfied with conventional uses of the oil itself and developed many uses for it.

8. We conducted experiments on the pest-deterrent aspects of the plant and discovered it killed a wide variety of insects when they merely approach it while growing, and, further, that no insect, rodent, or plague pest would ever go near it. We also know that no fungus or plant disease affects the castor oil plant.

9. It was also determined that the roots of the plant return nitrogen to the soil, and in other ways benefit it, a feature present in few other plants.

10. Our interest finally led us to investigate all of the economic aspects of establishing such an industry, and co-ordinating all phases. Oue of our executives and his staff have surveyed each phase of this industry from seed to processing to final market.

11. We are ready to buy all the domestically grown castor oil for conversion that we can use in our own market, as well as process by-products for redistribution to industrial consumers. We are now ascertaining the potential requirements of many other chemical companies and manufacturers who offer a waiting market for domestically grown castor oil beans and by-products. This information will be gladly made available.

Castor Oil Derivatives

In particular reference to the chemical resourcefulness of castor oil, the Woburn bureau comments on the uses of the oil as such, of hydrogenated castor oil, polymerized castor oil, blown castor oil, sulphonated castor oil, of sulphoricinates, of partly modified castor oil, of castor oil fatty acids, of naphthenated castor oil, of dehydrated castor oil which has particular drying properties, of the many esters of castor oil other than its triglycerides.

Mention is also made of the use of castor oil in chemical syntheses; for example, in the production of sebacic acid, acrolin, heptaldehyde, undecylenic acid, capryl alcohol, 2-octanone, methylheptyl ketone, iso-oleic acids, synthetic

M.D.L. Van Over
Director, Woburn Industries Farm Bureau

resins, synthetic aromatics, and an odorless nonrancid oleaginous derivative of triglycerides of iso-oleic acids, which is reported to offer substantial promise as an edible and industrial material.

The Woburn bureau has made some calculations of farm income from the growing of castor plants. It estimates that from a rough crop—beans for oil, leaves for insecticidal processing, and stalk for cellolose—the income would be $30 an acre; for a semiprocessed crop—pure oil, pomace, concentrated ricin insecticide, and semiprocessed pulp stock—the income is estimated at $60 an acre. Suggestions are given for the mechanically equipping of semiprocessing plants on the farm.

The bureau says that it is prepared to send competent speakers to discuss the castor plan idea before responsible farm groups, agricultural colleges, and interested industrial concerns. Dr. Henry P. Straus, manager of the Woburn industries, and Dr. K. A. Pelikan, chief chemist, have a large part in this new development. Biological and industrial experimental assistance has been received from other concerns.

Trade Briefs

Angustura-Wupperman Corporation, bitters manufacturer, has leased space at 155 East Forty-fourth street, this city.

McKesson & Robbins, Inc., February sales amounted to $12,645,459, against $13,330,468 in the same month last year.

Preferred Food Products, Inc., manufacturer of flavoring extracts, this city, has leased warehouse and distributing space at 20 Van Gagenen street, Newark, N. J.

Drug and cosmetic wholesalers, retailers, commission merchants and sales agents in Costa Rica, Denmark, Poland, and Estonia have been listed by the Bureau of Foreign and Domestic Commerce. Lists are available to accredited American firms at 10 cents a copy.

Drug and cosmetic wholesalers, retailers and importers in Finland have been listed by the Bureau of Foreign and Domestic Commerce. Lists are available at the bureau in Washington at 10 cents a copy to accredited American firms.

Korjena Medicine Company, Elmira, N. Y., has been ordered by the Federal Trade Commission to cease representing that its "Korjena" is a drugless, harmless, safe, sure, and scientific remedy for obesity, and to cease representing itself as a manufacturer.

Ralph E. Dorland, manager of the New York branch of the Dow Chemical Company, is back from an extensive vacation trip with Mrs. Dorland to the Pacific coast and other Western points of interest. "Doc" says that they had a wonderful time, although the weather on the coast was a bit moist—"as unusual."

Drug Bill Modifies Certification Plan

—Continued from page 3

alcohol administration act, but not for purposes of the food and drugs act, whisky shall be considered misbranded if any part of it except coloring and flavoring material is distilled from a source other than grain.

A number of changes have been made in the administrative provisions. Before issuing or amending regulations the Secretary of Agriculture is directed to hold public hearings when requested by an interested industry; whereas, the earlier draft authorized him to hold advance hearings "if in his judgment sufficient reason appears for so doing."

Except in emergencies, proclaimed by the secretary, new regulations will not take effect until ninety days after issuance. An order or regulation may be appealed, before its effective date, to any Federal district court, which may enjoin its enforcement, and the final draft omits language in the earlier one that an injunction shall be issued only if the order is arbitrary, capricious, or unreasonable. Where the earlier draft would have permitted the court to remand the case to the secretary for additional evidence, the final form permits also the taking of additional evidence before the court or a master.

Biologicals Included

Another change has been made, which would make the new drugs provision applicable to products coming under the virus, serum, and toxin act of 1902, administered by the United States Public Health Service. While the final draft stipulates that the new food and drugs act shall not be construed as modifying the virus act, it omits a further provision of the earlier draft that it shall not apply to products to which that act is applicable.

Except for the changes mentioned, the bill to be reported to the house is in all material respects the same as "Committee Print No. 4."

Purity Drug Company, pharmaceutical manufacturer, is located on River drive and Paulison avenue, Passaic, N. J. The property was formerly occupied by the Newport Chemical Works for warehouse purposes.

Botanical Drugs, Spices, and Gums

Low Ebb in Consumption Keeps Market Dull and Subject To Competition—Many Values Still Unsettled—Stock Reductions on Spot Have Been Moderate

In almost every way conditions on the spot were probably the highly favorable for buyers; certainly they were far different than had prevailed in the final quarter of 1937. Notwithstanding the substantial reductions in prices, developments of special importance in the past month, buyers continued to remain aloof from the market last week notwithstanding the fact that substantial savings to them were possible at currently prevailing prices. While some gains in inquiries have taken place, for the most part the larger pharmaceutical houses were still pursuing a hand-to-mouth policy of purchases. Other buyers were on a buying basis, but slightly more liberal than that.

Pricewise, the market was entirely favorable for buyers. The keenness of competition tended to keep values unsettled and determinate only with firm orders in hand. That situation, however, was not new in this market. Since the turn of the year local dealers had been readjusting prices downward steadily while seeking a reduction of stocks overly large in most instances.

A favorable influence, however, was the tendency of informed quarters to expect an expanding resistance toward further declines of substantial sort. The readjustments have run rather far and in many instances spot quotations and replacement prices were in close adjustment.

Entries of botanicals at the port of New York since the week of January 1, 1938, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	60	318
Belladonna	51	202
Caraway	234	1,317
Cardamom (cases)	...	768
Celery	...	281
Coriander	850	1,900
Cumin	312	1,037
Digitalis leaves (cases)	68	68
Dill	...	105
Fennel	103	131
Henbane leaves (bales)	42	107
Mustard	200	12,467
Poppy	300	14,326
Sage leaves (bales)	...	134
Sesame	354	2,431
Stramonium (bales)	364	308
Thyme (bales)	...	176

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cinnamon, Ceylon, No. 3, ½c. per lb.
Clove, Zanzibar, ½c. per lb.
Ginger root, Cochin, ¼c. per lb.
Thyme, ½c. per lb.

Reduced

Caraway seed, ¼c. per lb.
Cardamom, bleached, 27c. per lb.
decorticated, 11c. per lb.
green, 8c. per lb.
Celery seed, French, ⅜c. per lb.
Indian, ½c. per lb.
Clove, Madagascar, ¾c. per lb.
Mace, Banda, ½c. per lb.
Siauw, 2c. per lb.
Nutmegs, 80's, ½c. per lb.
110's, ¼c. per lb.
India, ¾c. per lb.
Pepper, white, Java Muntok, ¼c. per lb.
Saigon, ¼c. per lb.
red, chillies, Japanese, ½c. per lb.
Pimento, ¼c. per lb.
Papain, powdered, 10c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
130.4	**130.4**	**133.3**	**128.5**

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Peru.—Undertones were fairly easy and the market was favorable for those desiring to place substantial orders for immediate or later delivery. However, the recent downward trend in price was not extended further.

Tolu.—Trade was very quiet. Sellers reported only moderate demands coming from manufacturing consumers and hence the total of transactions was conservative in size. Quotations lacked change, but they appeared to be fairly easy.

Barks

Bayberry.—The market was substantially firm in all respects and profitable sales could hardly be made at less than the current quotations, replacement costs being considered. Actual consumption was on the small side. So were stocks in the primary market.

Black Haw.—Although tree bark was still somewhat easy, the general situation was less unsettled than it had been in the recent past. Sellers were less inclined to shade quotations, even though demand was not very active. Root bark was fairly firm in the main, and while fair-sized stocks were held on spot, those in the country were not very large. A good collection is hoped for this year by the primary market dealers.

Elm.—One-quarter on the spot still holds a fair-sized stock of this material, but most other suppliers are either cleaned out of stocks or hold quantities large enough to restrict most of their sales to jobbing lots. Country lots were very small when available at all.

Pomegranate.—The item has not been mentioned for a long time past and a slant at the market last week showed that values were being maintained unchanged on spot and in the primary market. Demand was slight to nil.

Wahoo. — Although quotations received little support in the way of actual buying, they were nevertheless steady in most respects because of the fact that downward revisions have run rather far and the country position of the article does not suggest substantial weakness there for some time to come. Such weakness would depend on the collection of a very large crop in the primary market this year.

Beans

Tonka.—A well stabilized market prevailed on spot. Although demand was not very active, it was still sufficient to keep sellers clear of unsettling competition and business was done usually at prices fully maintained throughout the local spot.

Vanilla.—Trade was said to have decreased moderately. Much of the more pressing need of numerous manufacturing consumers were covered when business reached substantial activity and continued in that volume until recently. Business was not very active last week yet prices continued to be generally firm at levels ruling recently and it appeared not likely that an early change would develop. Certainly further change in favor of buyers could come only with declines in the replacement costs in primary market.

Berries

Cubeb.—Prices were steady and unchanging throughout the past week. That applied to replacement costs as well as spot quotations. Business was of jobbing description throughout the period, yet sellers were little disposed to shade since they could not replace to advantage.

Sloe.—Very little new inquiry was noted but a fair shipment to a restricted number of manufacturing consumers was made against obligations in for some time. Quotations were quiet but very steady.

Flowers

Arnica.—Jobbing business was sufficient to keep quotations steady last week. At least, no open change was made in the existing schedule and not all dealers were meeting the minimum of prices. Some objections to quality were noted.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

HOPKINS BRAND
CRUDE DRUGS
GUMS } KARAYA • ARABIC TRAGACANTH
PYRETHRUM • REDRATSQUIL
DERRIS • CUBE
We have been for over forty-seven years first hand direct importers and suppliers of all foreign and domestic crude drugs, importing from every important shipping point in the world. All botanicals we import or handle are BOTANICALLY, CHEMICALLY, BIOLOGICALLY and otherwise determined to conform with our standards as well as the pharmacopœia standards.
We carry in our New York City Warehouse and Mills full stocks of all Foreign and Domestic Crude Drugs for which there is commercial demand.
WRITE FOR PRICE LIST
J. L. HOPKINS & CO., 220 Broadway, New York, N.Y.

ORBIS are GUM SPECIALISTS
ORBIS GUM
TRAGACANTH
ARABIC KARAYA
Whole or Powdered
Write for Prices and Samples
ORBIS
PRODUCTS CORP.
215 PEARL STREET
NEW YORK, N.Y.

Vanilla Beans--Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

SPOT OR FUTURE
POWDERED TIMBO
4% - 4½% - 5% ROTENONE
LENAPE TRADING COMPANY, Inc. - - 225 Broadway, New York

GUMS
IMPORTERS
GUM ARABIC
GUM KARAYA
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOUR)
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. Hanover 2-3750-1

Clover.—Sales involved small lots in most instances but there was an absence of excessive spot competition and that kept quotations to a generally steady business regardless of the lack of substantial volume.

Linden.—Buyers' interest was normally light, consisting usually of small lot requirements readily covered to advantage on the spot. Stocks were fully equal to any reasonable call and hence some having a desire to reduce inventory were not adverse to meeting buyers' reasonable bids.

Pyrethrum.—The position in Japan proved to be fairly steady although at times slightly lower shipment quotations have developed. Although cables offered new crop for shipment late in the Summer, buyers showed little or no interest in buying such merchandise, feeling that quotations will decline as the crop draws nearer. Probably the most important thing for domestic buyers is the question of quality. It was poor in the last crop and raised the cost of manufacturing concentrates, this in addition to the increase caused by the advance in Japanese prices regardless of poor quality. An improvement in quality is one of the things most earnestly desired by buyers here.

Saffron.—All were watching the Spanish situation, but while the prospect for a rebel victory was still bright, the drive to end the war quickly has bogged down in Spain and latest press advices notify of a sharp increase in deliveries of munitions to the government forces. In the meantime, spot quotations on Spanish flowers held steady and were backed only by comparatively small stocks.

Gums

Arabic.—Compeition kept prices low and low prices were possible usually at the sacrifice of profits. The tendency toward shading was still current and as trade was very light, the situation lacked support in the form of satisfactory trading.

Benzoin.—Sumatra gum was in low supply and all sellers showed reserve in making offerings. In fact, some were making no unsolicited proposals to the consuming trade, this because of the lack of normal reserve supply. Prices were very firm and the tendency was upward.

Myrrh.—Quotations were shaded to 35c. to 36c. per pound, and the very narrow market kept quotations still favorable for buyers with firm business in hand. While stocks were not excessive, they were ample for all current requirements.

Gamboge.—Sellers were disposed to press offerings actively; a desire for lower inventories was not absence entirely from the spot market. However, the attitude of buyers was one of reserves since their actual needs were conservative in size.

Herbs and Leaves

Belladonna. — Although quotations were no lower, they were still slightly easy and subject to a tendency toward competition in local circles. Trade was distinctly routine in all respects.

Buchu.—The prices situation has become steadier and for the most part values were well supported throughout the past week. No weakness at the source was reported and that has checked effectively any tendency toward a downward movement in spot quotations.

Digitalis.—Stocks were small in practically all directions. However, so has been demand, and that fact has operated to the advantage of buyers in that sellers have been usually willing to entertain reasonable bids.

Sage.—Business has slackened substantially and from now on is likely to be confined to comparatively small lots; the season of best consumption is virtually at an end. Quotations were easy.

Stramonium.—Prices continued lower than replacement cost and spot stocks might warrant, but for some reason the undercurrent was still set in favor of buyers, notwithstanding the fact that chances for stocks being increased to normal size were remote.

Miscellaneous

Balm of Gilead Buds.—Strictly dry material was available at 35c. to 40c. per pound as an open market quotation. New crop, very wet, were quoted around 22c. to 24c. Business was slight.

Cantharides.—Although lack of substantial demand kept quotations in favor of buyers for consumption, there was a lack of quotable change in open prices and sellers appeared to be awaiting further developments concerning replacement cost and spot demand.

Ergot.—Some sellers were disposed to quote what seemed to be exceptionally low prices, and if sales were made at the limits suggested, it seemed likely that they would involve a loss because of what the goods actually cost when bought. However, there have been some reports of cheaper prices abroad. Little trade was done here.

Guarana.—Business was little beyond the nibbling stage; few inquiries resulted in actual orders. However, quotations seemed to have become steadier since the recent reductions and competion was correspondingly less aggressive.

Kamala.—This article was still unsettled, but sellers indicated that spot quotations were very close to actual cost and the situation was not unlikely to turn firmer once demand shall show a needed increase.

Papain. — Powdered material continued to show weakness and prices were driven still lower under the impact of severe competition in local circles. Late in the period the market was down to the basis of $1.30 to $1.35 per pound.

Roots

Aletris.—Lack of more than moderate interest kept prices moderately soft on the spot. However, no further reduction was made in openly quoted prices, although fair-sized stocks were said to be available in some directions. Reserves in the country were small.

Dandelion.—Quotations were easy and considered to be on the low side. Continuation of low price levels would be in line with the fact that the season of declining consumption is about at hand.

Golden Seal.—Although only small offerings from the country have been received of late, the fact seemed to be that even such small lots found buyers only after substantial difficulty and, usually, on the basis of prices shading those quoted as the open market. Basically, the market should remain firm in view of the very small carryover available.

Ipecac.—Control of the digging season in Nicaragua, as officially announced a short time back, has been without direct effect on the position of such root on this market. The local situation continued to be affected by competition caused mainly by the conservative character of consuming request.

Senega. — This article showed a strength contrasting considerably with the general situation in the spot market for botanicals generally. The fact seemed to be that the primary market operators had the article under excellent control and the maintenance of values there was reflected locally in no small measure. Demand was moderate.

Seeds

Caraway.—Quotations were down an eighth, making them 7¼c. to 7½c. per pound and supported only by a strictly jobbing interest.

Cardamom.—Replacement costs declined considerably and the spot market weakened sufficiently to bring out further reduction in quotations. Bleached material was named at $1.38 to $1.70 per pound, according to quality; decorticated, 88c. to 90c.; green, 60c. to 64c. Buyers showed reserve, standing aloof pending further developments.

Celery.—Quotations on French material were lower at 14⅜c. to 14¼c. per pound; Indian, 12¾c. to 13¼c. Even these quotations were subject to shading on firm orders for attractive quantities but there was little of that sort of business current during the past week. Unsettled conditions prevailed in the foreign markets.

Flea.—Quotations were lower in the Far East, while those in France were none too firm in view of the financial crisis in that country. Spot quotations were down to the basis of 8c. to 8½c. per pound, and trade supported that position but poorly.

Mustard.—Outlook for the new crop in California was none too pleasing. In the Lompoc Valley two months of rain subsequent to January 15 prevented sowing of new crop brown seed. At the very highest, this year's crop is expected not to exceed 25,000 bags. The situation in yellow seed was uncertain, though some plantings took place in late March. The spot market on mustard seeds generally was steady in price but exceptionally dull as to actual trading.

Poppy.—Both varieties were lower at 11⅝c. to 12c. per pound, and with business being confined to prompt needs rarely in excess of jobbing size, the position of the item was one lacking in normal support.

Sunflower.—Some of the California acreage has been put entirely out of business by the excessive rains subsequent to January 15. No planting was done until late March and some doubt that such plantings will come to maturity. Similar conditions govern the Argentine where a normal six months' precipitation of rain fell in the last two weeks of March. The crop of sunflower was ready to harvest, and it is feared that the damage will be great. There remains the possible production in Kansas and adjacent states, crops not readily graded and usually not preferred when California or Argentine seed can be obtained.

Spices

Cinnamon.—No. 3 Ceylon material was a shade lower at 16½c. to 16¾c. per pound. The No. 2 was unchanged in price. An exceptionally narrow consuming market was noted in local circles.

Clove.—Madagascar spice was lower at 13½c. to 14c. per pound. Zanzibar material was up fractionally to the basis of 16½c. to 16¾c. The situation was unsettled as to the former, but the latter was under very good control at the source and weakness was not expected to develop this year at least.

Ginger.—African root was weak and prices at 8½c. to 9c. per pound for spot goods contrasted with 6½c. per pound quoted on root for despatch on a March/May steamer from the source. Jamaica root lacked new development but conditions seemed favorable for larger trading.

Mace.—Banda was quoted at 54c. to 54½c. per pound, and the Siauw was noted at 49c. to 50c. Both prices were lower than they had been, and the market had competition hardly warranted by the stocks available on spot at this time; such holdings were very small.

Nutmegs.—Prices on 80's were lower at 19c. to 19½c. per pound; 110's, 17c. to

—Continued on page 48

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

Two-hundred-twenty-third Instalment

Linen

Reagents Used in Bleaching Fibers in Making Linen

(Continued from April 11 issue)

Potassium soap, glycerin, and sulphoricinate
Ricinoleic acid
Saponified oils
Saponin
Soap emulsions
Soda-tallow soaps
Sodium acid percarbonate
Sodium alginate
Sodium bichromate
Sodium dioxide
Sodium hypochlorite
Sodium hyposulphite
Sodium oleate
Sodium oxychloride
Sodium perborate
Sodium percarbonate
Sodium peroxide
Sodium persulphate
Sodium propylnaphthalenesulphonate
Sodium sulphoricinate
Sodium tetraborate
Solozone
Stearic acid
Succinyl peroxide
Sulphite liquors
Sulphonated oils
Sulphoricinoleic acid
Sulphur dioxide
Sulphuric acid plus potassium bichromate
Sulphurous acid
Triamylamines
Triethanolamine
Trihydroxyethylamine
Trihydroxyethylamine linoleate
Trihydroxyethylamine stearate
Turkey red oil
Tricresyl phosphate
Valeryl peroxide with hydrogen peroxide
Vegetable oils, sulphonated

Reagents for Degumming Fibers in Making Linen

Abietenesulphonic acid
Acid sulphites
Alkanol B
Alkalies
Alkali carbonates
Alkali hydroxides
Alkali phosphates
Alkali salts
Alkali silicates
Alkali-earth carbonates
Alkali-earth hydroxides
Alkali-earth phosphates
Alkali-earth salts
Alkali-earth silicates
Aliphatic ester sulphates
Ammonium carbonate
Ammonium hydroxide
Ammonium phosphate
Ammonium silicates
Aromatic sulphonic acids
Bacteria emzymes
Bacteria mesentericus
Bacteria subtilla
Calcium carbonate
Calcium hydroxide
Calcium phosphate
Calcium salts
Calcium silicates
Castile soap
Castor oil, sulphonated
Degomma
Diazopon A
Diastofor
Dioxychlorides
Diastase, animal
Emulphor EL, A
Emulsion of potassium soap, glycerin, and a sulphoricinate
Enzymes
Ethanolamine
Ethanolamine oleate
Exsize
Gardinol WA
Glycerin
Glycopon
Igepon
Isopropylnaphthalenesulphonic acid
Kalpinol
Leonil O
Magnesium bisulphite
Medialan
Merpentine
Naphthenes
Naphthenesulphonic acid
Olive oil soaps
Palatin
Palmitic compounds, sulphonated
Peregal O
Pine oil, sulphonated
Potassium bisulphite
Potassium carbonate
Potassium hydroxide
Potassium salt of palmitic compounds
Potassium salts
Potassium silicate
Polyzime
Salvose
Soaps
Sodium bisulphite
Sodium carbonate
Sodium hydroxide
Sodium hydroxide with—
(1) Potassium perborates
(2) Potassium perborates and calcium oxide
(3) Potassium perborates and hydrogen peroxide
(4) Potassium percarbonates
(5) Potassium percarbonates and calcium oxide
(6) Potassium percarbonates and hydrogen peroxide
(7) Potassium perphosphates
(8) Potassium perphosphates and calcium oxide
(9) Potassium perphosphates and hydrogen peroxide
Sodium perborate
Sodium phosphates
Sodium salts
Sodium silicates
Sodium sulphoricinate
Soft soap emulsion
Soft soap emulsion with sodium sulphoricinate
Stearic acid
Sulphides
Sulphonated alcohols
Sulphonated aliphatic esters
Sulphonated oils
Sulphoricinates
Triacidic alcohol
Tricresyl phosphate
Triethanolamine

Reagents for Distinguishing Linen and Cotton

Cochineal (violet coloration on linen; bright red on cotton)
Fuchsin, followed by exposure to ammonia (linen retains a rose color; the dye is stripped completely from cotton)
Madder tincture (orange coloration on linen; bright yellow on cotton)
Methylene blue, dilute solution (linen retains blue stain when washed immediately with water; color is removed from cotton)
Sulphuric acid; exposure for one to two minutes (linen is unaffected; cotton is dissolved)

Reagents for Preventing Foaming in Linen-Printing Processes

Albumen
Alkali resinates
Alkali sulphoricinates
Alkali-sulphonic acids
Aluminum oleate
Aluminum palmitate
Aluminum stearate
Aluminum stearate and a solution of oxygen-containing compounds
Ammonium linoleate
Ammonium oleate
Ammonium palmitate
Ammonium stearate
Antifoam LF
Benzyl bromide with alkali and naphthalenesulphonic acid
Betaglucoside
Capryl alcohol
Methylhexyl carbinol
No-foam
Ocenol
Octyl alcohol
Palmitic acid
Phenyl chloride
Sodium oleate
Sodium palmitate
Sodium stearate
Sulphurization products of salts of higher fatty acids
Trapineol
Water-soluble soap and a solution of oxygen-containing compounds

Reagents for Preventing Metal Stains on Linen Boiled in Zinc Vessels

Sodium sulphide
Sodium sulphate
Sodium sulphite
Thionic acids

Reagents Used in Waterproofing Linen

Acetone
Alginates
Alginic acid
Alkali aluminates
Alkalies
Aluminum acetate
Aluminum hydrate
Aluminum linoleate
Aluminum oleate
Aluminum palmitate
Aluminum stearate
Ammonium linoleate
Ammonium oleate
Ammonium palmitate
Ammonium stearate
Aqua ammonia
Aquafoe
Aquaresin
Barium oleate
Barium palmitate
Barium stearate
Beeswax
Butyl palmitate
Butyl ricinoleate
Butyl stearate
Cadmium palmitate
Cadmium ricinoleate
Cadmium stearate
Calcium stearate
Carbon bisulphide
Carbon tetrachloride
Casein compounds
Cellulose acetate
Copper oleate
Copper palmitate
Glue
Gutta-percha
Isinglass
Lac
Lead lineolate
Lead oleate
Lead palmitate
Lead resinate
Lead stearate
Magnesium linoleate
Magnesium oleate
Magnesium palmitate
Magnesium stearate
Nitrocellulose compositions
N.R. colloidal wax cream
Oleic acid
Palmitic acid
Paraffin
Repellene
Resin esters
Resins
Shellac
Sodium acetate
Sodium alginate
Sodium oleate

(To be continued)

Essential Oils, Aromatic Chemicals

AAA Has Orange Diversion Program That May Affect Oil Production —Increased Consumption of Peppermint Sought Through Higher Menthol Tariff—Anethol Shaded

Demand within the market for essential oils and aromatic chemicals continued unsatisfactory last week. Volume was comparatively low and contrasted sharply with the excellent business that prevailed a year ago. Pricewise, sellers were seeking to maintain market equilibrium and to a substantial extent they were successful, but it seemed probable that firm orders in hand stood an excellent chance of being placed under highly advantageous price conditions.

Of interest was the proposal of a Michigan congressman to increase the import duty on natural menthol sufficiently to protect a domestic industry to be based on home made peppermint oil. The proposal seemed not to take into account the fact that manufacture of synthetic menthol is already making increasingly difficult the sale of natural camphor. Any increase in duty on natural menthol would be greatly beneficial to the makers of synthetic menthol. How much it might be held to increase peppermint oil consumption was problematical.

Another development of interest was the AAA establishment of an orange diversion program. Payments are to be made on fruit diverted to the manufacture of byproducts of oranges—and that meant orange oil and juice. Not more than 61,000 tons are to be diverted, being equivalent to 1,628,000 boxes. The program is designed to aid orange growers in California and Arizona.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Anethol, 5c. per lb.
Citronella, Ceylon, 1c. per lb.
Eucalyptus, 1c. per lb.
Menthol, 5c. per lb.
Patchouli, 50c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
73.2	73.2	76.8	83.6

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—The position of sweet true oil changed little. With some persons thinking that the end of the Spanish civil war is at hand, there came the thought that a resumption of normal trade in the item might be not far away. However, last week it was not clear that the war was over and, at the very best, should it be terminated reasonably soon, it would still require considerable time to bring about normal production and commerce in the oil.

Amber.—Inquiry was light and sales were on a jobbing basis. However, prices were held unchanged, notwithstanding the absence of normal trading in the item. Stocks were ample for all probable need.

Angelica.—Foreign market prices have been reasonably firm, although at times it has been possible to buy to advantage because of shifts in the value of exchange. Locally, a dull market accompanied prices apparently steady.

Anise.—The spot outlet was narrow, having shrunken in proportion to the general decline in consuming activity during the past several months. Quotations were held steady mainly because of the absence of normally priced replacement material at the source.

Bergamot.—Although usually quoted at $3.90 per pound, it was not clear that the position could not be shaded with a firm order in hand. The demand was so light as to create unsettlement in market undertones generally.

Bois de Rose.—A slight gain in interest was occasionally noted last week, but on the whole the market was confined to jobbing needs and none too many of them appeared in local circles last week. Prices were dull, yet very easy.

Citronella.—Lower quotations were noted. Ceylon oil in drums was offered liberally for delivery over a six month period at 33½c. per pound; cans, 35c. Java oil was reduced to 40c. to 42c. per pound. These movements were clear evidence of the sharp competition that had been current locally for a long period of time.

Clove. — Zanzibar spice—the article yielding oil most liberally, was firm at the source and slightly higher on the spot. Madagascar spice were lowered on spot and the market seemed weak. Makers of oil held steady prices but found business none too lively in the main.

Coriander.—Agents for shippers of high quality oil asserted that replacement cost abroad made it impossible to supply such oil on spot at as low as $15 per pound. However, the fact was that the market was quoted $16 to $19.75 per pound and open market reports had it that as low as $14 per pound could be done. It was suggested that buyers purchase only on sample.

Cubeb.—The market became steadier on the basis of the recent decline, even though actual demand was not very active. Replacement cost effectively checked any tendency toward further shading. Stocks available on this market were ample.

Dill.—Suppliers looked for an expansion in consumption since some picklers were said to be undertaking operations. The market, as quoted, seemed to be favorable for buyers and substantial commitments would find values slightly easy in undertone.

Eucalyptus.—Low test material was slightly lower in price, the market being 39c. per pound in drums and 41c. in cans. Higher test material was well held at unchanged prices. Demand was seasonably light in volume.

Geranium.—The market was quiet, but possibly a shade steadier. Prices were already so low as to make for the development of a more substantial basis for the market. Furthermore, exchange was higher at times, thus influencing the cost of replacements. That which would have truly strengthened the market was lacking—normal consuming demand.

Grapefruit.—A reasonable stability governed prices and for the most part sellers were willing to await the broader demand and to avoid price reductions as an attempted stimulation of buying activity. Stocks will cover any reasonable need.

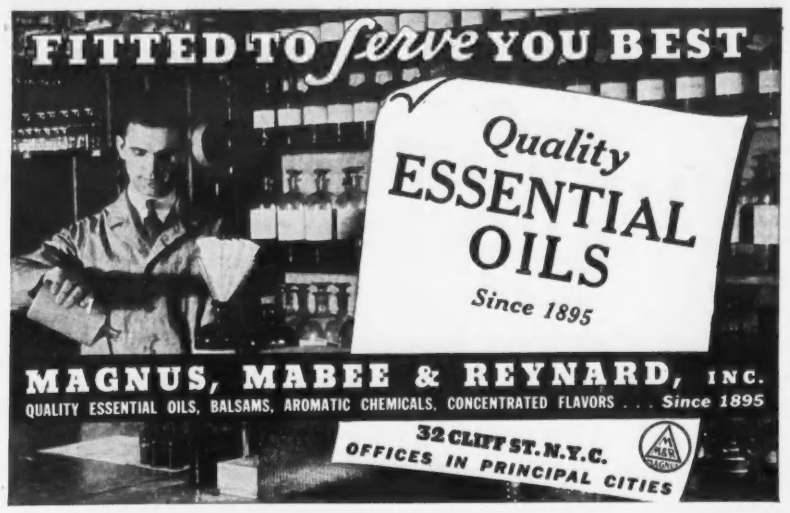
Ginger. — Eventually, lower prices may develop on this oil. At least, raw material reductions have gone far; African root on a March/April steamer from the source was offered last week at 6c. per pound. In the meantime, however, spot stocks of oil were made from raw material bought at prices much higher than that.

Lavender. — Somewhat steadier exchange tended to steady the position of spot prices but, on the whole, the market was still favorable for liberal buying operations. Unfortunately, however, the attitude of buyers was one of reserve and trade was held within narrow limits.

Lemon.—Although the market was not very active, it was still reasonably steady on the spot and for the time being holders of both domestic and imported oil were disposed to await further developments while holding quotations free from the weakening influence of continued price decline. Stocks amply met all calls current last week.

Linaloe.—While still easy in undertone, prices were free of further movement in favor of buyers. Spot and replacement quotations were in line sufficiently to apply a break on any tendency toward further shading by spot dealers. Demand held light.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7


FITTED TO Serve YOU BEST
Quality
ESSENTIAL
OILS
Since 1895
MAGNUS, MABEE & REYNARD, INC.
QUALITY ESSENTIAL OILS, BALSAMS, AROMATIC CHEMICALS, CONCENTRATED FLAVORS . . . Since 1895
32 CLIFF ST. N.Y.C.
OFFICES IN PRINCIPAL CITIES

OIL OF CLOVES
OIL OF NUTMEGS

Two of the most important items in our Factory. We can guarantee to furnish you with the highest quality obtainable.

GEORGE LUEDERS & CO.
427-429 WASHINGTON ST., NEW YORK
Branches: Chicago, San Francisco, Montreal *Factory:* Brooklyn

D. W. HUTCHINSON & CO., Inc.
ESSENTIAL OILS
MPORT Established 1896 EXPORT
162-164 FRONT STREET NEW YORK CITY

ESSENTIAL OILS
H. C. RYLAND, Inc.
161-3 Water St., New York

NOW IS THE TIME TO BUY!!
Citra-Gold
ORANGE OIL and LEMON OIL
Sold in convenient sized factory-filled containers for your protection.
Inquiries invited for other citrus by-products and attractive contract prices.
EARL SILZLE COMPANY
717 S. Figueroa St., Lo Angeles, Calif.
'Phone TR-6513 Cable: Citra-Gold

BASE OILS—For Soapless Shampoos
For Polishing Compounds—For Cosmetic Preparations
VISCO GUMS—For Wave Set Solutions
GUMS
Arabic, Tragacanth, Karaya
Powdered in our own mills under laboratory control
JACQUES WOLF & CO.
MANUFACTURING CHEMISTS AND IMPORTERS
PASSAIC, N. J.

OIL of DILL
ORDER YOURS NOW!
WE have on hand a limited supply of OIL of DILL held over from last year's yield. This Oil is of better-than-average quality and we recommend it particularly to dill producers for their Spring processing. It is economical to use and imparts the true character and aroma of dill weed or kraut. In combination with dill weed it produces a fuller flavor than the latter used alone. Food manufacturers and the producers of both regular and processed dills will do well to reserve their season's requirements NOW, while present stocks are available.

FRITZSCHE Brothers, inc.
.816 WEST 8TH STREET LOS ANGELES, CAL. PORT AUTHORITY COMMERCE BLDG.
Proprietors of PARFUMERIES de SEILLANS Seillans, France 76 NINTH AVENUE, NEW YORK, N.Y.
FRITZSCHE BROTHERS, of Canada, Ltd. 77-79 Jarvis St., Toronto, Canada 118 WEST OHIO ST. CHICAGO, ILL.

Mustard. — Artificial material had a slightly improved demand last week, although the gain was small enough to prevent prices from being stimulated into activity. The situation was generally quiet with quotations showing fair stability.

Nutmeg.—Raw material prices were easier and lower last week. Oil held unchanged, but competition was very keen and second hands were said to be taking business at less than the prices named by producers. Stocks were ample, compared with the present volume of trade.

Orange.—Plentiful supplies were noted and with the largest season for consumption being directly ahead, sellers expected to experience a gain in demand in the not far distant future. Of some interest was the announcement of a program designed to stimulate domestic consumption of California and Arizona oranges through diversion from regular trade channels to designated by-product uses. The program was an AAA proposal and calls for diversion of not more than 61,000 tons of oranges grading U. S. No. 3 or better. The quantity to be diverted is equivalent to approximately 1,628,000 boxes of oranges. The total production in the 1937-1938 season was estimated at 70,600,000 boxes. Payments totaling up to $488,000 have been authorized from Section 32 funds for carrying out the program. Growers and handlers will receive payments amounting to $8 per short ton for oranges diverted to the following uses:—concentrated juices, pulpy orange juice, pectin, citrous oil, and dried meal.

Patchouli.—Quotations as low as $4 per pound and as high as $8 were noted on spot last week, varying according to seller and quality. Inactivity kept competition prominently a part of all trading.

Peppermint.—It was still a buyers' market but trading was confined to small business and consisted usually of a jobbing call for users in small lots. Reports indicated that progress with new crop preparation has been very good. Of some interest was the proposal of a congressman from Michigan to place a high duty on Japanese menthol to stimulate the home manufacture of menthol from domestic made peppermint oil. The highly successful synthetic menthol would make the benefits to peppermine growers at least doubtful.

Rosemary.—Steady demand for small lots was noted and in keeping with the comparatively small stock available. Prices were uniformly steady to firm throughout the entire period.

Spearmint.—Demand remained moderate to light, yet prices held steady probably because they were already low and oil was cheap enough to be attractive. However, buyers were few and far between last week.

Aromatic Chemicals

Anethol.—Quotations were a shade lower at $1.25 to $1.30 per pound. Sellers said the price might prove to be temporary since the raw material situation was still uncertain. Competition was more aggressive on the spot.

Anisic Aldehyde.—Stability prevailed in prices on this material and with a fair, if usually jobbing demand the rule, the situation was steady in most respects and competition lacked aggressiveness.

Benzaldehyde. — While orders were usually small, they were fairly numerous and volume compared very well with that done in recent weeks. Pricewise, the market was fully steady in all respects.

Benzyl Compounds.—Although the prices were apparently steady, there was some reason to believe that lack of demand normal in size has contributed to the development of some unsettlement in prices. Trade was not beyond jobbing limits.

Cinnamic Acid.—Movement in small lots amounted to fairly good business by the close of last week and quotations continued to be very steady throughout the past week. Supplies were in good shape.

Citronellal.—Inquiries were infrequent, according to most sellers, and the market as a whole was dull last week. Also, it was somewhat unsettled by the similar situation that kept raw material costs favorable for manufacturing consumers.

Citronellol.—Inquiry was fair and sales made a not entirely unsatisfactory total. However, the stocks available were substantial when compared with the present rate of consumption. Prices were still steady.

Geraniol.—Little was done in the way of new business. Most buyers seemed to be fairly well stocked with this item and hence trading lacked sustained volume each day last week. Pricewise, the situation seemed to be reasonably steady.

Geranyl Acetate.—Inquiry was fairly good but some said that the inquiries were not productive of a normal number of sales. Ample stocks were available in all quarters.

Menthol.—Prices were lower at $3 to $3.10 per pound, resulting from light demand and plentiful supplies of natural material. Establishment of a domestic production of natural menthol made from home made peppermint oil was the idea of a congressman who last week proposed a higher tariff on Japanese menthol to the end of creating a domestic industry. Interested quarters on spot pointed to the all ready successful production of menthol by synthetic processes, so successful as already to jeopardize present trade in natural menthol.

Mattolin
FOR TAKING THE SHINE OUT OF VANISHING CREAM

THE most recent scientific discovery for the improvement of Creams, Lip Sticks, etc., is Mattolin. An odorless, neutral body which is chemically an ester of a high molecular fatty acid.

Composed of snowy white, slightly fatty crystalline leaflets which melt at 43° C., it is soluble in warm alcohol, ethyl ether, fats and oils, but it is insoluble in water.

When added to ordinary stearate cream it imparts not only the mat effect on the skin but produces better consistency in the cream and a better capacity for emulsification.

As little as 3% produces convincing proof of its advantages. A trial using Mattolin in comparison with your present cream formula will be entirely convincing.

Samples are at your disposal. We will be very glad to give you further information regarding this marvelous product.

Agfa
AROMATICS DIVISION
GENERAL DRUG COMPANY
170 Varick Street, New York City
1330 W. Madison Street, Chicago
907 Elliott Street, Windsor, Ont
Transportation Building, Los Angeles, Cal.

OIL LEMON
ITALIAN, U. S. P. XI
OIL LEMON
TERPENELESS
SCHIMMEL & CO. INC.
601 West 26 St. New York, N. Y.

A. M. TODD CO.
Growers, Distillers and Refiners of
ESSENTIAL OILS
CRYSTAL WHITE — DOUBLE DISTILLED
PEPPERMINT, SPEARMINT, WINTERGREEN, Etc.
Main Office and Works
KALAMAZOO, MICH., U. S. A.

Dr. E. Guenther to Lecture In Peoria April 19

Large audiences greeted Dr. Ernest Guenther, chief research chemist for Fritzsche Brothers, essential oils and aromatics, this city, at his illustrated lectures on African essential oils, given recently in Boston, Detroit and Chicago. The lectures were illustrated by Dr. Guenther's colored motion pictures taken by him in Africa, Zanzibar, and Reunions, where essential oils are produced.

The meeting in Detroit was under the auspices of the Allied Drug and Chemical Association of Michigan. The Boston meeting was attended by more than one hundred and forty executives and chemists, representing half a dozen different Bay State industries. He visited St. Louis on April 14, showing in the Hotel Jefferson, and will appear in Peoria, Ill., on April 19.

Citrous Products Project Launched in California

Citrous oils, pectin, fruit juices, and other products of citrous fruits will be developed by the Citrus Diversion Association recently incorporated in Los Angeles county, California. The association, which is represented by Irving McDaniel, 642 Title Insurance building, Los Angeles, has a directorate of eight members, including D. G. Arbuthnot, La Verne; H. A. Lynn and Fred Kunard, Riverside; LeRoy Lynn, Anaheim, and C. E. Myers, Covina.

Botanical Drugs

Spices

—*Continued from page 46*

17½c.; West India, 11¼c. to 11½c. The market gained in competition as much as it lost in demand, which was considerable.

Peppers.—White Java Muntok was lower at 8¼c. to 8½c. per pound; Saigon, 8¼c. to 8½c. Japanese chillies were still scarce but prices were down to the basis of 19½c. to 20c. Mombassa chillies remained strictly nominal. Black peppers lacked development. Demand for all varieties of pepper was conservative, and, for the most part, tended to shrink for the time being.

Trading in black pepper futures on the New York Produce Exchange from April 9 to April 14, inclusive, comprised 96 contracts, a total of 3,235,600 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	5.97	5.70	5.94@5.96
May	5.52	5.35	5.52 sale
July	5.57	5.45	5.60@5.70
September	5.60	5.60	5.70@5.80
December	5.85	5.65	5.88@5.95

Pimento.—Spot and primary market prices weakened and local values at 14c. to 14½c. per pound lacked support beyond that of jobbing size. However, it was recalled that at the very best production in Jamaica must continue small until such time as new plantings, if any, can come to maturity.

Bids Wanted

Bags, Paper:—5,250,000 kraft; Federal Surplus Commodities Corporation, Washington, D. C.; schedule 18FSC, opening April 20.
Burlap:—1,000 for Albany, Ga.; Division of Purchase, Sales and Traffic, Department of Agriculture, Washington, D. C.; procurement 2154, opening April 29.
Codeine Sulphate: — 5,000 bottles, 15,000 tubes; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn, N. Y.; procurement 108, opening May 12.
Containers, Fiber:—20,100 M41; Commanding Officer, Picatinny Arsenal, N. J.; circular 862, opening April 27.
Chlorinator:—One solution feed chlorinator; Quartermaster, Chanute Field, Rantoul, Ill.; procurement 196-52, opening April 25.

Chemists Wanted By U.S. Government

The United States Civil Service Commission announces open competitive examinations for a senior chemist, any specialized branch, $4,600 a year; chemist, any specialized branch, $3,800 a year; associate chemist, any specialized branch, $3,200 a year; assistant chemist $2,600 a year; and a junior chemist, $2,000 a year. Applications must be on file with the commission in Washington, D. C., not later than May 2 for applicants from States other than Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming. Applicants in the mentioned states have until May 5.

Chrome Green:—15,000 pounds; Bureau of Engraving and Printing, Washington, D. C.; opening April 19.
Cresol Compound Solution:—Supplies required during July 1 to March 31; Procurement Division, Veterans Administration, Washington, D. C.; procurement 767, opening April 21.
Cutting Oil:—10,000 gallons of sulphurized; Commanding Officer, Frankford Arsenal, Pa.; circular 905, opening April 18.
Glycyrrhiza-Opium Compound:—20,000 bottles; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn, N. Y.; procurement 108, opening May 12.
Lead, White:—5,000 pounds; U. S. Engineer Office, Pittsburgh, Pa.; circular 353, opening April 18.
Liver Extract:—Supplies during period July 1 to March 31; Procurement Division Veterans Bureau, Washington, D. C.; procurement 846, opening April 21.
Petrolatum:—17,000 pounds; Supply Office, Navy Yard, Washington, D. C.; requisition 690 NSA, opening April 20.
Quinine Sulphate:—50,000 bottles; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn, N. Y.; procurement 108, opening May 12.
Soap, Toilet:—27,000 pounds; Purchasing Agent, Post Office Department, Washington, D. C.; procurement 147, opening May 4.
Soda, Caustic:—25,920-13 ounce cans; Purchasing Agent, Post Office Department, Washington, D. C.; procurement 114, opening April 28.
Thiosulphate:—105,000 pounds for various deliveries; Quartermaster Depot, Chicago, Ill.; procurement 199-179, opening April 21.
Sponges:—2,000; Purchasing Agent, Post Office Department, Washington, D. C.; procurement 122, opening May 3.
Wax, Paraffin:—5,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; circular 859, opening April 22.
Water Purification Unit:—One unit for Philadelphia, Pa.; Quartermaster, Marine Corps, Washington, D. C.; schedule 716, opening April 27.

Contracts Awarded

Acid, Chromic:—6,000 pounds; award to Harshaw Chemical Company by the Naval Aircraft Factory, Philadelphia, at 16¼c. a pound; requisition 502-1044 Aero, opened March 16.
Alcohol, Ethyl:—43,500 gallons; award to the Carbide & Carbon Chemicals Corporation, this city, by Edgewood Arsenal, Md., at 24.9c. a gallon; procurement 276, opened March 8.
Bags, Burlap:—10,000; award to Burros Bag Company, Brooklyn, by the Picatinny Arsenal, N. J., at 4.625c.; procurement 655, opened March 2.
Calcium Carbide:—25,000 pounds; award to Linde Air Products Company, this city, by the Army Air Corps, Wright Field, Dayton, at 4.95c. a pound, f.o.b. Dayton and Danville, Ill.; circular 799, opened March 28.
Containers:—54,000; award to the Container Corporation by the Chemical Warfare Service, Edgewood Arsenal, Md., at 2.925c.; procurement 226, opened February 24.
Ice-Preventive Fluid:—2,300 gallons; award to the Commercial Solvents Corporation by the Army Air Corps, Wright Field, Dayton, Ohio, at 69.5c.; circular 750, opened March 11.
Laundry, Soda:—22,400 pounds; award to the Solvay Sales Corporation, Cincinnati, by the Quartermaster Depot, Jeffersonville, Ind., at 1.98c. a pound; circular 126, opened March 28.
Sour:—2,000 pounds; award to Sterling Supply Corporation, Philadelphia, Pa.; by the Quartermaster Corp, Jeffersonville, Ind.; at $6.48 a 100 pounds; circular 126, opened March 28.
Nitrocellulose:—1,000 pounds; award to Hercules Powder Company, Wilmington, by Picatinny Arsenal, N. J., at 27c. a pound; procurement 632, opened February 24.
Salt, Rock:—12 tons; award to the Jefferson Island Salt Company, Louisville, Ky.; by Quartermaster Depot, Jeffersonville, Ind., at $16.50 and $13.50 a ton; circular 126, opened March 28.
Soda Ash:—9,300 pounds; award to the American Cyanamid & Chemical Corporation, by Army Air Corps, Wright Field, Dayton, Ohio, at 1.7c. a pound; circular 746, opened March 14.
Cyanide:—2,600 pounds; award to E. I. duPont de Nemours & Co., by Army Air Corps, Wright Field, Dayton, at 17.5c. a pound, f.o.b. plant and f.a.s. New York; circular 746, opened March 14.
Hyposulphite:—60,000 pounds; award to Mallinckrodt Chemical Works, St. Louis, by Army Air Corps, Wright Field, Dayton, at 2.94c. a pound; circular 746, opened March 14.
Metasilicate:—30,300 pounds; award to the American Cyanamid & Chemical Corporation, by the Army Air Corps, Wright Field, Dayton, at 2.5c. a pound; circular 746, opened March 14.
Soda Thiosulphate:—3,900 tubes; award to Rudich Scientific Apparatus Company, New York city, by the Marine Corps, Philadelphia, Pa., at 2.6c.; schedule 665, opened March 31.
Phosphate: — 17,700 pounds of di-basic; award to the Warner Chemical Company, this city, by Army Air Corps, Wright Field, Dayton, Ohio, at 2.45c. a pound; circular 746, opening March 14.
Metaphosphate:—10,000 pounds; award to Calgon, Inc., Pittsburgh, by the Army Air Corps, Dayton, at 20c. a pound, f.o.b. Chicago Heights; circular 792, opened March 22.

Petroleum Solvents, Lubricants, Fuels

Solvents and Industrial Petroleum Oils Move Into Consumption Slowly—Gasoline Shows Slight Strengthening Signs —Crude Production Higher

Petroleum products for industry moved into consumption in limited fashion. There has been some evidence of seasonal activity among the buyers in the paint, varnish and lacquer industry and some added interest in the purchase of Stoddard solvent for the cleaning industry, but the volume bought at the refineries is far below expectations. Petrolatums were a little more active than previously, but there is still plenty of ordering to be done by the makers of Summer pharmaceutical specialties, according to the sellers. Prices for petroleum materials used by industry have been holding fairly well in the face of a very soft market position in the fuels and lubricants.

There is considerable apprehension over the security of the gasoline market in the coming weeks. The heavy consuming season is just in sight and the stocks in storage have been backing down from the all-time high record of a few weeks ago, but there is a heavy storage of fuel oil and it seems quite reasonable to expect that a large part of the current fuel oil stocks will be sent to the cracking stills and create further supply of gasoline. Latest statistics on gas and fuel oil stocks showed a storage of 125,190,000 barrels against only 94,873,000 barrels at this time a year ago. Gasoline stocks were 92,279,000 barrels against only 81,356,000 barrels at this time in 1937.

Daily average production of crude oil in United States for the week ended April 9 was 3,392,350 barrels, an increase of 25,100 barrels over the preceding week's average, according to the estimates of the American Petroleum Institute. The average for four weeks ended April 9 was 3,399,700 barrels and the average at this time a year ago was 3,426,300 barrels. Runs of crude oil to stills were reported to the A.P.I. by companies controlling 89 percent of the nation's refinery capacity as having averaged 2,832,000 barrels. An additional sum of 278,000 barrels were estimated to have been sent to stills unreported for an estimated total daily average of 3,110,000 barrels against 3,145,000 barrels in the preceding week.

Solvents and Diluents

The refinery markets for petroleum solvents and naphthas continued in a quet position. There was some evidence of seasonal purchasing by the manufacturers of surface coatings but the volume was far below what was expected. As in the case of other raw materials, the movement is held within hand-to-mouth limits. The price situation seemed steady and there were no changes reported in the bulk markets at the Midcontinent and East Coast markets. The Pacific Coast market has been without change for some time.

Cleaners' Naphthas.—The light naphtha continued in light request. The tankcar price at the Midcontinent refinery market continued at the long-standing level of 6⅜c. per gallon, basis Group 3.

Lacquer Diluents.—There has been no change in the position of this group of solvents since last reported. The lacquer manufacturers' takings are small-sized and designed to fill immediate needs only.

Petroleum Thinners.—The Group 3 market continued unchanged at 5⅜c. per gallon for tankcars. The East Coast refinery price remained at 9½c. to 10c. per gallon, basis refinery. There was not much activity in the bulk market and the tankwagon deliveries were also small-sized.

Rubber Solvents. — The Akron tire makers were buying very modest amounts and the gallonage moved into the hands of the rubber processors was considerably behind that of last year. Pricewise, the market was in a steady position.

V. M. & P. Naphthas.—There has been no change in the market since the recent increase in the New York City tankwagon market. Tankcar prices here continued unchanged. The bulk market at the Midcontinent refineries was also unchanged with 6⅜c. per gallon quoted, basis Group 3.

Markets at Other Centers

Chicago, Apr. 14.—Demand for various grades of petroleum solvents and diluents is holding up fairly well. The call for cleaning material is said to be fair. Paint industry takings are reported moderately good. Prices seem to be holding fairly well. Inquiry is coming in for small quantities. Ruling prices in tankcar lots except as noted are (tankcar prices f.o.b. Group 3, Oklahoma): Blending naphtha, 4¼c. to 4⅜c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.5c., tankwagon; lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 16.2c., tankwagon; V. M. & P. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Current per gallon tankwagon prices elsewhere in the middle West were as follows:—Cleaners' naphthas, Decatur, 19.4c.; Des Moines, 19.2c.; Milwaukee, 20.6c.; Minneapolis, 20.8c.; and St. Louis, 15c. Stoddard solvents, Decatur, 18.4c.; Des Moines, 18.2c.; Milwaukee, 19.6c.; Minneapolis, 17.7c.; and St. Louis, 13.9c. Petroleum thinners, Decatur, 18.4c.; Des Moines, 18.2c.; Milwaukee, 19.6c.; Minneapolis, 19.8c.; and St. Louis, 15c.; V. m. & p. naphthas, Decatur, 19.4c.; Des Moines, 19.2c.; Milwaukee, 20.6c.; Minneapolis, 20.8c.; and St. Louis, 16c. per gallon. Decatur, Des Moines, Milwaukee and Minneapolis prices include state and federal taxes, and St. Louis prices include federal tax.

Tulsa, Apr. 14.—Quiet prevailed in the solvent's market. Prices remain unchanged with V. m. & p. and the light cleaners' naphthas at 6⅜c. per gallon and Stoddard at 5⅞c. to 6c. per gallon.

Lighter Fractions

The light hydrocarbon gases in the solvents group did not possess much in the way of feature last week. The condition of the market was steady and there has been no change in prices for some weeks. Latest reports from the producers indicated that the movement of material into consumption was routine.

Butanes.—The movement of supplies into the hands of consumers was last reported as having been routine while the price remained at the basis of 3¾c. per gallon for tankcar lots, basis Group 3.

Hexanes. -- Conditions surrounding the market were unchanged and the steadiness of prices was the market's principal characteristic. Normal material was priced at the basis of 10½c. per gallon for tankcars, f.o.b. Group 3.

Octanes.—This mixture shared in the general steadiness of the market for petroleum gaseous solvents. The tankcar price of 10½c. per gallon, basis Group 3, continued in force.

Petrolatums and Waxes

White Mineral Oils.—There was not much business done last week. As in the case of the past several weeks, most of the ordering was applied against standing contracts and there was not much open order trading. Technical and U.S.P. oils were reported to have been quite steady in price.

Paraffin Waxes.—The scale wax market continued in a nominal position around 1.85c. per pound for either 122-124 A.m.p. or 124-126 A.m.p. Occasional offerings at 5 points under this level were reported. There is very little buying interest either for export or domestic accounts and the daily inquiry was light. Fully refined waxes continued in an even position with a light and scattered interest from the buying trade.

CHICAGO, Apr. 14.—Supplies of refined paraffin wax are described as having increased considerably in some quarters recently, but the price structure at this time is reflecting little weakness on this account, so far as can be learned. Demand is fair, mostly in limited quantities. Ruling prices are:—122-124, 4.45c. to 4.55c. per pound; 125-127, 4.55c. to 4.65c.; 127-129, 4.65c. to 4.75c.; 130-132, bulk or bag, 5.10c. to 5.20c.; 132-134, bulk or bag, 5.35c. to 5.45c.

TULSA, Apr. 14.—Although wax inquiries were more numerous, no substantial volume of trading developed. Quotations remained at 1.65c. to 1.90c. per pound for export on the 124-26 American, while the domestic prices range from 1.80c. to 2.25c. per pound.

Petrolatum. — Some suppliers were able to point to a little better activity in the market last week. Fair-sized export inquiries were reported in the market too. The price situation continued steady with amber and white grades held at the low levels established some weeks back.

Fuels and Lubricants

The Eastern bulk gasoline market showed some signs of improvement last week. Somewhat broader consumption and curtailment of runs gave things a little tighter appearance. The statistics on stocks in storage for the week ended April 9 showed a comfortable decrease in the volume in storage and with the heavy consuming season in sight, things should work toward a more stabilized position. On the other hand, there is a growing belief in the industry that the heavy surplus of fuel oils in store will undergo cracking and the future security of the light oils market depends upon how much of this heavy oil will go to the cracking stills.

Market Conditions

Gasoline.—Jobber takings of gasoline out of the local refinery points were larger than they had been in recent weeks. Curtailed runs to stills and increased buying had a strengthening effect on the statistical position of the market. Latest statistics on stocks showed a decrease to 92,279,000 barrels for the week ended April 9. Stocks in the preceding week were 92,924,000 barrels, according to the American Petroleum Institute report. A few weeks back, stocks reached an all-time high record of 93,192,000 barrels. The nominal position of motor gasoline at the local refinery market was 7c. per gallon, but there was still a good deal moving at 6½c. per gallon. The export situation at the U.S. Gulf had a slightly stronger tendency, but the prices quoted a week ago were still available in certain directions.

Kerosene.—The market was not much changed from a week ago. The refinery price here continued at 5¾c. per gallon for 41-43 water white material, for tankcar lots, basis refinery. The demand side of the market was quiet.

Fuel and Gas Oils.—The heavy oil market was soft. The consumption of furnace oils has been declining and the inventory position of the market presents an unfavorable outlook. Suppliers of C grade bunker oil continued

Outputs and Quotas

A comparison of Bureau of Mines calculations for April production, State allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended April 9 follows:—

	B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	526,500	475,000	518,000
Kansas	173,000	173,000	158,850
Texas	1,329,800	*1,510,337	1,323,350
Louisiana ...	289,800	252,275	260,200
Arkansas ...	40,000	.....	53,500
Eastern	132,600	.....	138,800
Michigan ...	51,400	.....	52,350
Wyoming ...	46,600	.....	48,350
Montana ...	12,700	.....	13,500
Colorado ...	4,600	.....	4,100
New Mexico.	106,000	103,000	106,950
California ..	698,700	†698,700	714,400
Totals	3,361,700	.....	3,392,350

*Allowable effective first of month. Sunday shut-downs continued throughout April, except in Texas portion of Rodessa field.
† Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

Crude oil at Eddy County (New Mexico) was posted at 90c. per barrel. Gasoline at the refinery points was unchanged.

	Apr. 15	Apr. 8	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.305	$1.305	$1.376
Gasoline prices at refineries (at four refining centers) per gallon	.048125	.048125	.054375

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

WHITE OIL
U. S. P. and Technical.
For cosmetic, pharmaceutical and industrial uses.
PETROLATUM
Penreco U. S. P. Petrolatum. Ideal for cosmetic, medicinal and industrial uses. Color and texture made to your desire.
INSECTI-SOL
The perfect insecticide solvent. Water-white and crystal clear. Absolutely odorless. Insecticides made with INSECTI-SOL leave no oily residue.
PENNSYLVANIA REFINING CO.
BUTLER, PENNSYLVANIA

SHERWOOD'S PETROLATUMS
GUARANTEED QUALITY — ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY — WARREN, PA. MAIN OFFICE — BUSH TERMINAL, BROOKLYN, N. Y.

A. C. DRURY & CO., Inc., INTERNATIONAL MERCHANTS
Chemicals - Essential Oils - Synthetics - Bouquets
Talc - Clay - Waxes
219 East North Water Street Phone Superior 5949 Chicago, Ill.

NEUTROLEUM
ALPHA . . . GAMMA
Aromatic concentrates that neutralize and perfume. For use in fly sprays and all other preparations based on Petroleum distillates.
Write for detailed information
FRITZSCHE Brothers, inc.
816 WEST 8TH STREET LOS ANGELES, CAL PORT AUTHORITY COMMERCE BLDG.
Proprietors of PARFUMERIES de SEILLANS Seillans, France 76 NINTH AVENUE, NEW YORK, N. Y.
FRITZSCHE BROTHERS, of Canada, Ltd., 77-79 Jarvis St., Toronto, Canada 110 WEST OHIO ST. CHICAGO, ILL

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1938 Jan. 1-Apr. 16	1937 Jan. 1-Apr. 16
Commercial crude oil production	357,582,000	347,801,000
	Week ended Apr. 16, 1938	Week ended Apr. 17, 1937
Daily average production	3,394,600	3,413,800
	Week ended Apr. 9, 1938	Week ended Apr. 2, 1938
Estimated motor fuel stock total	92,279,000	92,924,000
Estimated finished motor fuel stock at refineries	59,452,000	60,676,000

to quote the recently established price of $1.05 per barrel.

Lubricating Oils.—The Pennsylvania oil market did not show any further weakness last week. Prices for neutrals and cylinder stocks were cast with weakness in some spots. The demands of the market were light.

Crude Oil Price Changes

New Mexico

All gravities of crude at Eddy county were posted at 90c. per barrel, effective April 1. The Texas Company and the Cities Service Oil Company posted the price.

Markets at Other Centers

Tulsa, Apr. 14.—A further contraction in the volume of orders coming into the Midcontinent market was noticeable this week due to unseasonal climatic conditions in the greatest part of the Northern section of the Middlewest. Despite the low turnover, prices were not adversely affected. Quotations for most of the products were firm with the exception of fuel and lubricating oils in which some shading was reported. The position of motor fuel was strong as refiners refused to grant concession in expectation of a higher volume of business in the coming weeks.

There was a slight increase in the rate of operations this week as two plants that had been shut down for some two weeks resumed operations. However, there were further contraction in crude oil production as additional pro-ration of purchases were applied by important crude oil buyers. However, one company which had been purchasing 90 percent of allowables went on a full 100 percent purchase. Nevertheless, the net change effected a reduction in the volume of oil coming to the top of the ground. This had a tendency to reduce the volume of oil going into storage.

Despite curtailment efforts there is considerable softness in the crude oil market. Offerings of crude are still being made on the Gulf Coast at less than posted prices and pipe line charges. However, if gasoline quotations can be worked up during the coming weeks they will have a tendency to sustain the crude market.

Following are the approximate quotations for the refined oils, basis of Group 3:—

GASOLINE.—U. S. motor grade was 4¼c. per gallon, the price at which most of the refiners had been holding the product. The 63-66 octane was 4⅜c., while the 67-69 was quoted at 4⅝c. per gallon and the 70-72 at 4⅞c. per gallon. The Q leaded product was 5⅛c. per gallon.

NATURAL GASOLINE. — The 26-70 product about the only active grade at this time was 2½c. per gallon in Oklahoma and 2⅝c. in Texas. The 18-pound product continued at 3⅛c. in Texas and 3c. in Oklahoma.

KEROSENE.—The 41-43 grade was 4c. to 4⅜c. per gallon, while the 42-44 grade was 4⅛c. to 4½c. per gallon.

DISTILLATES.—The 38-40 prime white is 3¾c. to 3⅞c. per gallon, while the 36-38 is 3⅝c. and the 32-36 gas oils remain at 3¼c. to 3⅜c. per gallon.

FUEL OILS.—Railroads are taking only minimum requirements on contracts and filling in their consumptive demand with a few spot purchases. The industrial demand is still very quiet. The 24-28 low cold test is $1.05 a barrel, while the high cold test is 90c. per barrel. The residuals range from 50c. to 65c. per barrel.

LUBRICANTS.—Some shading of prices are reported but there is no general lowering of quotations. The movement was quiet this week.

Chicago, Apr. 14.—The tankcar market for petroleum products has been somewhat mixed recently. After considerable hesitancy as a consequence of extraordinarily bad weather, gasoline demand in the Middlewest again is making itself felt well, and trade orders are picking up, following stagnation, in which offerings of sellers increased to some extent. Tankwagon and dealer prices seem to have steadied somewhat. Kerosene and tractor fuel demand is better but with warmer weather heating oils have turned extremely easy. Heavy fuels are continuing weak, with slack demand. Lubricants remain backward, with limited buying.

GASOLINE.—Low octane motor, 4⅜c. to 4⅝c. per gallon; 64-66 octane, 4⅝c. to 4⅞c.; 67-69, 4⅞c. to 5⅛c.; 70-72, regular, 5¼c. to 5½c.; 60-62, 400, 4⅜c. to 4⅝c.; 64-66, 375, 4¾c. to 5c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4⅜c. to 4⅝c. per gallon; 41-43, water white, 4⅛c. to 4⅜c.

FURNACE OIL.—Range oil, 3⅞c. to 4c. per gallon; No. 1 white, 3¾c. to 4c.; No. 1 straw, 3⅝c. to 3⅞c.; No. 2 straw, 3½c. to 3¾c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅝c. to 2¾c.

FUEL OILS.—No. 4, $1.05 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Apr. 12.—Firmness was again the keynote of the domestic market during the past week, with no change in previous price quotations. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 5¾c.; U. S. motor below 62 octane at 5¾c.; 63-67 octane at 6c. and 68-70 octane at 6½c.—all per gallon at refinery.

The price of kerosene remained steady at 7½c. per gallon at refinery.

Bunker C fuel oil demand continued good at a quoted price of 85c. per barrel at terminal and 90c. per barrel delivered alongside; industrial plants were quoted at $1.46 per barrel, delivered.

Maritime Oil Company has started construction of a 5,000 daily capacity refinery on the Houston Ship Channel, below Houston, Texas. The plant will specialize in the production of high octane gasolines.

Petroleum Wastes Disposal Discussed in Govt. Report

The disposal of petroleum wastes on oil-producing properties, is discussed in a report just published by the Bureau of Mines, United States Department of the Interior. Petroleum wastes include emulsions of petroleum and water or mixtures of petroleum and sand that cannot be "broken down" or treated economically by known methods of separating petroleum from deleterious matter, crude petroleum that escapes from pipe lines, fittings, etc. Copies of report of investigations 3394 are available without charge from the information division, Bureau of Mines, Washington, D. C.

Gulf Refining Called Unfair

Unfair competition is charged against the Gulf Refining Company, Pittsburgh, in a complaint by the Federal Trade Commission based on the allegation that the company has disparaged the products of competitors by representing that reclaimed motor oils are not desirable, are inferior to Gulf oils, are produced by unscrupulous dealers, and are colored to deceive purchasers. The commission declares that many reclaimed oils are as good as so-called "virgin" lubricating oils and that the reclamation of oils and the sale thereof is a "legitimate business engaged in by many honest and reputable concerns."

Oil and Gas Leases In Lance Creek to Be Sold

Open public auction of oil and gas leases on approximately 120 acres of public land in the Lance Creek field, near Lusk, in Niobrara County, Eastern Wyoming, will be held May 16 at the Land Office of the Department of Interior, Cheyenne, Wyoming. Offered for lease at the established royalty scale to the bidder of the highest bonus per acre, the land is divided into three units, containing approximately 40 acres each. Bids will be received on the separate units, but two or more units awarded to the same purchaser may be included in a single lease.

J. H. Contino has been elected vice-president and treasurer of the National Transit Company, filling the vacancy caused by the death of L. C. Longaker.

UNIFORMITY

YOUR *Protection* AGAINST INEFFICIENCY

ANDERSON-PRICHARD INDUSTRIAL NAPHTHAS

Results count, whether in fire-fighting equipment or in technical naphthas for the paint, varnish or lacquer industry. Long ago Anderson-Prichard established a research laboratory in which APCOTHINNER, PETROBENZOL and TROLUOIL have now reached their present uniform quality. If you have reached an impasse in a formula, consult Anderson-Prichard's laboratory for protection against inefficient technical naphthas.

Atlantic Division:
D. H. LITTER CO.
NEW YORK
BOSTON
PHILADELPHIA

ANDERSON-PRICHARD OIL CORPORATION
PRODUCERS REFINERS
OKLAHOMA CITY, OKLA.

Canadian Representatives:
APCO PETROLEUM PRODUCTS, LTD.
MONTREAL
TORONTO

AKRON CHICAGO KANSAS CITY DETROIT INDIANAPOLIS
CINCINNATI CLEVELAND ST. LOUIS PITTSBURGH MILWAUKEE

Fertilizer Materials

Mineral Ammoniates and Cottonseed Meal Attract Most Fill-In Buying Attention—Little Interest in Futures —March Tag Sales Off

Mixed goods and fertilizer chemicals registered a further gain in sales activity last week. The season was now moving northward and the reports from practically all shipping depots showed a loss in tonnage from last season. Mineral ammoniates and cottonseed meal seem to be favored with most of the fill-in business that is being done in raw materials. Purchases for the dressing trade have not reached the market in volume yet.

Forward offerings are gettng very little play from the buyers albeit another 1,000 tons of unground menhaden futures were reported to have been booked last week. Nitrogenous material has been offering from abroad for late Spring and Summer shipment at prices which are markedly below those of last year's futures, but the current tenders are not receiving much attention.

Fertilizer tax tag sales for March were 13 percent lower than last year in the South and 40 percent lower in the five Middle Western States where such records are kept, according to the compilation by the National Fertilizer Association. The equivalent tonnage represented by the March sales was 1,521,234 tons in the South and 71,705 tons in the mid-West. These totals compared with 1,753,416 tons in the South and 118,800 tons in the mid-West last March. Details of March sales and data for the January-March period are contained in the accompanying table.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Bone, raw, 4½ & 50, dom., Atlan. ports, $1 per ton.
import., 50c. per ton.
meal, 3 & 50, dom., $1 per ton.
import., 50c. per ton.
steamed, 1¼ & 60, dom., $1 per ton.
Tankage, dom., New York, 5c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.7	66.7	67.0	64.0

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—There was a fairly substantial movement of material out of sellers' hands last week. The activity in the deliveries against contracts is moving northward now and the tonnage shipped during the month to date possessed real, seasonal proportions. Imported nitrate is one of the few products of foreign origin that has been imported in larger tonnage this season than last. Total imports for consumption from July through February were 254,021 short tons against 250,619 tons in the same period of the preceding season. February imports were 68,755 short tons against 118,396 tons in February last year. Pricewise, the market has been steady and held at the schedule.

Sulphate of Ammonia.—The smaller-sized buyers have been fairly active in the market and there was also a mild activity from the larger-sized buyers purchasing for fill-in use. The price situation is quite firm with $29.50 per ton quoted for material in bulk, f.o.b. ports or ovens, except in certain areas where the freight is allowed. The February imports totaled 10,833 tons against 18,165 short tons in February last year. Export business in February totaled only 78 tons.

Dried Blood. — The market was favored with a little more inquiry, but there was not much actual business done. The New York and Chicago markets were quoted at $2.75 per unit. Imported material for April shipment was nominally priced around $3 per unit, basis c.i.f.

Fish Scrap.—Baltimore reported that approximately 1,000 tons of menhaden futures were booked last week at $3 and 10c. per unit-ton, f.o.b. fish factory when-and-if-made. The aggregate booked on futures since the opening a weeks back was approximately 2,800 tons. Most of last week's sales were reported to have been made in Norfolk. Japanese sardine meal was a quiet commodity. Local quotations for any position were nominal at $45 per ton, basis c.i.f. while reports from some of the out-of-town ports mentioned $44.50 per ton. There was practically no trading. Senator McAdoo of California has introduced an amendment to the revenue act which would impose a duty of ½c. per pound or $10 per ton, on imports of fish meal, fish scrap, marine animal meal, and marine animal scrap.

Nitrogenous Material.—Some material for forward shipment has been offering from abroad at $2.25 per unit, basis c.i.f. The offerings are for late shipment and the price mentioned was considerably under the prices that were asked on the futures sold last Spring. To date there has not been much interest from the buyers. Domestic sellers were not able to move much material, and the prices were largely nominal at $2.25 per unit-ton at Carrollville; $2.40 at Chemical, Ill.; and $2.60 per unit at Norfolk.

Tankage.—Prices in New York were lower. Unground was offered at $2.65 and 10c. per unit-ton, while ground material was quoted at $2.70 and 10c. per unit-ton, both off 5c. from a week ago. The Chicago market was in an unchanged position.

Potashes

There has been very little evidence of fill-in buying or purchasing for dressing use. Some activity in this direction is expected within the next ten days or two weeks, but the sellers do not expect to move very much tonnage in this season's spot buying period.

Phosphates

Prices for bone products were lowered in all directions, but the cheaper prices did not attract much buying. Both foreign and domestic bones were off. Superphosphate has not been moving in very large tonnage since the prices were lowered a few weeks back.

Bone Materials.—Domestic 3 & 50 meal and 1¼ and 60 steamed bone in Chicago were both $1 per ton lower in price last week. The 3 & 50 was reduced to the basis of $17 to $19 per ton, while the 1¼ & 60 product was lowered to the basis of $16 to $18 per ton. Imported 4½ & 50 raw bone was lowered 50c per ton to the basis of $27.50 per ton. Domestic raw bone at Atlantic ports was cut $1 per ton to $28.50. The price for imported 3 & 50 meal in bags was $21.50 per ton, a reduction of 50c. from a week ago.

Superphosphate. — The market continued in a quiet position, with little material moving out of the producing points. The Baltimore market continued at the recently reduced level of $8 per ton for run of pile, basis 16 percent, and $8.50 per ton for guaranteed material, both in bulk, f.o.b. cars or vessels, Baltimore. According to a Department of Commerce report, plans of the heavy industrial industry in Soviet Russia include production in 1938 of 330,000 metric tons of phosphate fertilizer. Technical improvements are to be made in the superphosphate plants, and the average P_2O_5 content of production shall exced 18.3 percent. No information is available concerning the 1938 estimated production volume for apatite.

Sulphur and Pyrites

The chemical processing industries were ordering out rather small-sized deliveries against their contracts. Acidulators supplying the fertilizer industry were not buying much at this time. Some of the paper manufacturers were in the market. Prices continued in their characteristically unchanged position.

Markets at Other Centers

Atlanta, Apr. 14.—Some quick pickups of fertilizer materials are reported none in large quantities as the fertilizer manufacturing season draws close to the end. Weather conditions have not helped the late season to make up any lost time. The cotton farmers, who lost such time finding out how much cotton they could plant, are running about two weeks late and finding the weather a hindrance. Consequently it is still difficult to estimate what the full demand of the cotton farmer will be.

Mineral ammoniates and cottonseed meal are reported to be still the items leading in the demand. Otherwise the material market lacks interest.

Quotations of this market are as follows:—

SUPERPHOSPHATE.—$9.60 per ton, interior producing points.

NITRATE OF SODA.—$27 per ton, bulk, port basis.

COTTONSEED MEAL.—7 percent grade, $23.50 per ton, interior mills.

BLOOD.—$2.75 per unit, Chicago.

TANKAGE.—$2.50 to $2.75 and 10c. per unit, Chicago; $2.75 to $2.80 and 10c. ports.

NITROGENOUS.—$2.20 to $2.25 per unit, Midwest basis; foreign, $2.40.

Baltimore, Apr. 14.—The uneventfulness of the market for crude fertilizer materials persists and little or nothing is being done with buyers. Attention is now centered upon getting out shipments of mixtures, which proceed at a rate under last year's volume. The current quotations on materials are about as follows:—

FISH SCRAP.—Another one of the periodical spurts in the placing of business for menhaden was experienced last week, when approximately 1,000 tons were booked on a when-and-if-made basis at $3 and 10c. per unit-ton, at factory down the Chesapeake Bay. North Carolina producers are asking $42 per ton for scrap in buyers' bags, with Japanese sardine meal quoted at $44.50 to $45 per ton, f.o.b. shipment, and with menhaden meal here at $46 to $46.50 per ton. Acid fish continued at $2 and 50c. per unit-ton.

TANKAGE.—$2.75 and 10c. to $2.80 and 10c. per unit-ton for ground and $2.60 and 10c. to $2.70 and 10c. per unit-ton for unground.

BLOOD.—$2.90 per unit-ton.

GARBAGE TANKAGE.—$8.50 per ton at shipping points, which makes the price here approximately $11.50 per ton.

BONE.—$26 per ton for 4½ and 50 ground raw; $23 per ton for 3 and 50 ground steamed; and $20 per ton for 1 and 70 bone meal.

Chicago, Apr. 14.—Continued quiet was noted in the blood market here. Inquiries are not heavy on any particular item. Buyers are still inclined to keep to the sidelines for most grades of material in quantities, but are coming in for small to medium lots of some of the organics. Prices are little changed in any section of the list. Offerings are not overly large, but are plentiful. Output of material is still fairly limited. Tankage show little change. Bone materials have been rather featureless recently.

BLOOD.—Principal grade, $2.75 to $3 per unit of ammonia.

TANKAGE.—High grade, ground, $2.50 to $2.75 and 10c.; low grade, $15 to $16; hoof meal, $2.75 to $3; liquid stick, $2 to $2.25.

BONE MATERIALS. — Ground, steamed bone, 1¼ and 60 percent, $16 to $18; 3 and 50 percent, $17 to $19; 4½ and 50 percent,

Fertilizer Tag Sales: March

	Equivalent tons*							
	March				January-March			
South—	P.C. of 1937.	1938.	1937.	1936.	P.C. of 1937.	1938.	1937.	1936.
Virginia†	92	87,458	94,603	100,710	98	187,527	191,150	158,333
North Carolina	100	384,287	383,661	317,248	97	632,407	649,593	516,131
South Carolina	80	289,101	360,420	263,544	82	463,045	561,538	407,094
Georgia	77	319,451	415,043	334,672	82	504,866	617,945	492,332
Florida†¶	87	46,111	52,724	40,275	99	177,809	180,497	143,371
Alabama	84	172,700	206,050	182,100	88	278,900	317,900	264,300
Mississippi	89	106,150	119,383	69,910	92	164,131	178,393	118,385
Tennessee†	90	25,526	28,472	28,439	104	47,239	45,548	43,189
Arkansas‡	83	15,400	18,500	14,080	107	43,250	40,250	28,556
Louisiana†	93	48,729	52,460	34,215	99	99,917	100,927	65,584
Texas†	116	24,856	21,415	21,115	110	56,387	51,485	45,000
Oklahoma	214	1,465	685	1,965	136	6,115	4,490	4,515
Totals, South	87	1,521,234	1,753,416	1,398,273	91	2,661,593	2,939,716	2,286,790
Midwest—								
Indiana	57	33,775	58,880	43,100	87	68,813	79,120	55,773
Illinois	37	7,119	19,097	6,810	51	11,794	23,273	15,634
Kentucky	110	16,942	15,450	17,688	101	44,220	43,601	30,181
Missouri	58	13,525	23,988	7,545	83	24,218	29,150	18,614
Kansas	23	344	1,465	450	172	3,029	1,765	765
Totals, Midwest	60	71,705	118,880	75,593	86	152,074	176,908	120,967
Grand totals	85	1,592,939	1,872,296	1,473,866	90	2,813,667	3,116,624	2,407,757

* Monthly records of fertilizer tax tags are kept by State control officials and may be slightly larger or smaller than the actual sales of fertilizer. The figures indicate the equivalent number of short tons of fertilizer represented by the tax tags purchased and required by law to be attached to each bag of fertilizer sold in the various States.

† Cottonseed meal sold as fertilizer included.

‡ Excludes 16,900 tons of cottonseed meal for January-March combined, but no separation is available for the amount of meal used as fertilizer from that used as feed.

¶ Includes 5,835 tons of phosphatic and lime materials for January-March, 1938.

(Compiled by the National Fertilizer Association)

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U. S. PAT. OFF.
MURIATE OF POTASH 62/63% K_2O, ALSO 50% K_2O
MANURE SALTS APPROXIMATELY 30% K_2O
UNITED STATES POTASH COMPANY, INC.
30 Rockefeller Plaza, New York, N. Y.

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
50 East 41st Street — New York City
Member:—Association of Consulting Chemists and Chemical Engineers

Philip B. Hawk, Ph.D., Pres. — Bernard L. Oser, Ph.D., Dir.
FOOD RESEARCH LABORATORIES, INC.
114 E. 32nd Street, New York
Research — Consultation — Testimony
FOODS — DRUGS — COSMETICS
SPECIALISTS IN VITAMINS
Members Association of Consulting Chemists and Chemical Engineers
Write for "Science at Your Service"

GOODMAN, REX, M.D.
Formerly Medical Officer, Drug Division Food and Drug Administration, Washington
Consultant
Labeling and Advertising of Drug Preparations, Cosmetics, etc., under the Federal Food and Drugs Act and Law Enforced by Federal Trade Commission.
Cary . . . . . Mississippi

HOOVER, GEO. W., M.S., M.D.
Consultant
Formerly Chief Drug Control U. S. Department of Agriculture
Broad Experience With
Drugs, Medicines, Foods, Label Advertising and Formula Requirements
Insecticides, Cosmetics, and Toilet Articles
and with
Advertising Subject to Law Enforced by Federal Commission
Shoreham Building — Telephone District 1169 — Washington, D. C.

Charles H. LaWall — Joseph W. E. Harrisson
LAWALL AND HARRISSON
Analytical and Consulting Chemists
Pharmaceutical and Chemical Research. Process and Formula Development. Food, Drug and Water Analyses. Legal Testimony.
214 So. 12th Street, Philadelphia, Pa.

MOLNAR LABORATORIES
Chemists, Bacteriologists, Consultants
PHARMACEUTICAL, COSMETIC AND ORGANIC CHEMICAL RESEARCH
PROCESS AND FORMULA DEVELOPMENT, BIOCHEMISTRY
TESTIMONY, INVESTIGATIONS, LABEL ADVERTISING
Member:—Association of Consulting Chemists and Chemical Engineers.
211 E. 19th Street — GRamercy 5-1030 — New York City
NICHOLAS M. MOLNAR, M.S., F.A.I.C., Director.

Pease Laboratories, Inc.
CHEMISTS — SANITARIANS — BACTERIOLOGISTS
ANALYSTS — SCIENTIFIC LIBRARY SERVICE
MEDICAL ADVERTISING AND TECHNICAL CONSULTANTS
39 West 38th Street . . . . . New York

Protect Your Ideas By PATENTS
Call or send me a sketch or simple model
Z. H. Polachek 1234 BROADWAY NEW YORK PATENT ATTORNEY ENGINEER
CONFIDENTIAL ADVICE
WHAT IS YOUR INVENTION?
Register Your TRADE MARKS
U. S. Pat. Off. records searched
ANY Invention or Trade Mark
FREE { CONSULTATION / LITERATURE
Phone LOngacre 5-3088

W. S. Purdy Co., Inc.
ANALYTICAL AND CONSULTING CHEMISTS
Petroleum Oils, Waxes, Greases, Soaps, Fuel Oils, Coal
Phone HAnover 2-3772
128 Water Street — New York City, N. Y.

Sadtler, Samuel P., & Son, Inc.
Research and Analytical Chemists
CHEMICAL ENGINEERS
Patent and Legal Testimony
210 South 13th Street.....Philadelphia, Pa.
"Nothing Pays Like Research"

Associated Chemical Eng. Corp. 44 Whitehall St., N. Y. C. Phone WHitehall 4-2974
Analytical and Consulting Chemists and Chemical Engineers
AUTHORITATIVE Reports, Analyses, Research, Manufacturing Processes, Formulae and Patent Development.
Referee Analyses — Expert Testimony

Barsky & Strauss, Inc.
Chemists and Chemical Engineers
202 East 44th Street
New York City
Telephone: MUrray Hill 2-3689 — Cable Address: "Barstra"

Bureau of Chemistry
New York Produce Exchange
H. B. Trevithick, Ph. B., B. S.
2 Broadway — New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Feeds, Spices, Chemicals, etc.
Consultation—Research.

Michael J. Carpinello, Inc.
OFFICIAL and LICENSED SAMPLERS, WEIGHERS, and INSPECTORS
Members N. Y. Produce Exchange, Oil Trades Association of N. Y.
Official Weighers, Inspectors and Samplers for the N. Y. Produce Exchange, the National Cottonseed Products Assn., the N. Y. Cocoa Exchange, Inc.
2 Broadway, New York. Tel. BO. 9-0416

Collapsible Tube Filling
Ointments, Lubricants, Adhesives, Polishes, Cosmetics, Dental Creams, etc.
Your material or ours. Manufacturing facilities from 1 gross up. Complete packaging if you wish. Reasonable rates. Let us quote you.
Day Chemical Co. — 430 Washington St.
Irving Biber, Ph.G. — Newark, N. J.

Ellis-Foster Company
Established 1907
Research and Consulting Chemists
Specializing in Synthetic Resins and their Plastics and Related Subjects
98 Greenwood Ave. Montclair, N. J.
Telephone—Montclair 2-3510

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-975 Frelinghuysen Ave.,
Newark, N. J.
Telephone: BIgelow 3-4020

Hochstadter Laboratories, Inc.
Chemical Analyses, Consultants, Technical Experts, Investigations, Litigation.
Coals, Oils, Water, Foodstuffs, Gelatine, Beverages, Dairy Products, Confectionery, Drugs, Minerals, Textile Materials, etc.
Phone LOngacre 5-5260—5261.
254 West 31st St. — New York

DRAWBACK SPECIALISTS
We specialize in the collection of drawback refunds of duty or tax paid on materials used in the manufacture of products for export.
C. J. Holt & Co., Inc.
8-10 Bridge Street — New York, N. Y.
Phone BOwling Green 9-6841

INDUSTRIAL CONSULTING LABS., Inc.
Consulting Chemists
Paints, Varnishes, Lacquers
128 Water Street — HAnover 2-1999

Knight, B. H.
Analytical and Consulting Chemist
50 East 41st Street — New York
OFFICIAL ANALYST
U. S. Shellac Importers Assoc.
Am. Bleached Shellac Mfrs. Assoc.
American Gum Importers Assoc.

Laning Company, E. M., Inc.
Consulting Chemists
Specializing in Perfume, Toilet Preparations, Pharmaceuticals and Flavors Exclusively. Formulae Perfected. Problems Solved. Plants Equipped.
433 Stuyvesant Ave., Irvington, N. J.
Phone ES. 2-8433
E. M. Laning, B. Sc., President
Robert C. Pursell, Phar. D., V-Pres.

Miel, George A.
Analytical & Consulting Chemists
Specializing in the:
Physical and Chemical Analysis of Paints, Varnishes, Shellacs, and materials of the Paint Industry.
128 Water Street — HAnover 2-9066

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting, Analytical and Research
547 W. Virginia Street,
Milwaukee, Wis.

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS
ESSENTIAL OILS, FOODS, WATER
202 East 44th Street — New York, N. Y.
MUrray Hill 2-0007

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. C., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone AShland 4-4343.
16 East 34th St. — New York City

Snell, Inc., Foster D.
Chemists—Engineers
Every form of chemical service.
305 Washington St. Brooklyn, N. Y.
215 N. Calvert St. Baltimore, Md.

Stillwell & Gladding Established 1868
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerine, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street — New York

TRANSLATIONS
Authoritative Translations from and into French, German, Italian, Portuguese, Spanish etc.
All Chemical Subjects: Organic and Inorganic Chemistry, Petroleum, etc.
EXPORTERS' & MANUFACTURERS' TRANSLATION BUREAU
Chemical Dept.
11 W. 42nd St., New York City
BRyant 9-5106

Vorce, L. D.
Chemical Engineer
Electrolytic Cells
Chlorine, Caustic, Hydrogen.
20 Norman Road — Montclair, N. J.
Telephone 2-4516

Weiss and Downs, Inc.
Chemical Engineers
COAL TAR PRODUCTS
50 East 41st Street
New York City

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing in analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets,
Baltimore, Md.

If Your Professional Card
were here others would be reading it now.
Send for rates.
Oil, Paint and Drug Reporter
13 Gold Street, New York

$26 to $27; grinding hoofs, pigs' toes and waste horn materials, $35 to $40, mostly nominal; pork cracklings, soft pressed $40 to $45; beef cracklings, soft pressed, $30 to $35; hard pressed cracklings, per unit of protein, 52½c. to 57½c.

San Francisco, Apr. 12.—Part of the fertilizer trade appears to be looking at the current fertilizer situation in a little more optimistic manner. While the floods and the current recession in the general business situation have been factors to discourage fill-in orders and to delay fulfillment of contracts, still this market is not actually dormant. The height of the spreading season is now at hand and deliveries into the growing sections are brisk. Apparently the fact remains that there is not nearly the reselling activity earlier expected and distressed merchandise is not the usual thing. But little change was noted in market prices last week. More imports of Japanese sardine meal were noted, but this market is quiet insofar as new business is concerned. Production of California sardine meal to the end of February for the season amounted to 64,583 tons, against 106,557 tons for the previous season, according to figures released by the California Sardine Products Institute.

Ruling prices were:—

SULPHATE OF AMMONIA.—Quoted in 100-pound bags at $31.50 per ton, port basis, San Francisco and/or Los Angeles Harbor. Inland points, delivered, $1 per ton extra.

NITRATE OF SODA.—100-pound bags, $29 per ton ex vessel San Francisco/Oakland. 200-pound bags, $28.30 per ton ex vessel San Francisco/Oakland.

SUPERPHOSPHATE.—Domestic, 75c. to 80c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at from 80c. to 85c. per unit. Foreign material, nominal.

AMMONIA PHOSPHATE.—Quoted at $42 per ton, single bags, f.o.b. cars, San Francisco, basis 16 percent N., 20 percent P. A. Inland points, delivered, $1 per ton extra.

Potash Company of America Works at Carlsbad, N. M.

The company's new refining unit is now in complete operation. The picture shows the two refineries, the storage depot, and other buildings, also a large pile of material.

FISH MEAL.— California sardine meal is quiet but firm. Quoted on the basis of $47 to $48 per ton, f.o.b. cars, San Francisco/Monterey and $45 per ton, Los Angeles.

TANKAGE. — Domestic packing house tankage, ground, high grade, quoted on the basis of $2.90 to $3.00 and 10c. per unit-ton, f.o.b. cars, Los Angeles. Lower grades, unground, quoted at $2.60 and 10c. Dry rendered, ground, quoted at 68c. per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 58c., nominally.

BLOOD MEAL.—Domestic, $2.75 to $2.80 per unit, f.o.b. cars, Los Angeles.

BONE MEAL.—Domestic and imported steamed bone meal, quoted in range, according to seller and quality, at $24 to $27 per ton, delivered Pacific Coast ports.

World Potash Consumption In Agriculture Shows Gain

World consumption of potash in agriculture during the fiscal year ended April 30, 1937, was 2,400,000 metric tons of K_2O, according to French estimates received by the Department of Commerce. The consumption for the 1935-1936 period was 2,200,000 metric tons. Potash used for fertilizer in other years was as follows:—1934-1935, 2,050,000 tons; 1930-1931, 1,300,000 tons, and 1929-1930, 1,850,000 tons.

G. F. Coope, president of the Potash Company of America, visited the Baltimore office of the company last week.

Shipping Information

All matter under this heading fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, CRESYLIC — 153 dms, New York Trust Co, Port Halifax, Sydney
5 dms, 1 ton, 3 cwt, 3 qtrs, 8 lbs, Monsanto Chem Co, Lancastria, Liverpool
5 dms, 1 ton, 3 cwt, 3 qtrs, 12 lbs, Lancastria, Liverpool
STEARIC — 5 cs, L A Consmiller, Black Tern, Rotterdam
AGAR AGAR — 50 bls, T M Duche & Sons, Tasmania, Yokohama
51 bls, 20 cs, Mitsui & Co, Tasmania, Kobe
20 cs, R J Prentiss & Co, Aobasan, Kobe
10 bls, Kachurin Drug Co, Aobasan, Kobe
5 bls, Mitsui & Co, Aobasan, Kobe
ALBUMEN, DUCK — 22 cs, Triton, Hankow
ALMOND MEAL — 10 kgs, Ungerer & Co, American Banker, London
ALUMINUM LEAF — 112 cs, F P Gaskall & Co, Europa, Bremen
50 cs, Alka Bottle Capping Machine Co, Europa, Bremen
46 cs, Rohner, Gehrig & Co, Europa, Bremen
POWDER—19 dms, 7,213 lbs, J T Coates, Hansa, Bremen
AMMONIA, PHOSPHATE DIBASIC—531 bgs, 118,643 lbs, Synthetic Nitrogen Product Co, Hansa, Hamburg
ANTIMONY ORE — 2,000 bgs, 85 dms, Yomachichi, Fremantle
ARECANUT — 62 bgs, S B Penick & Co, West Cusseta, Colombo
ARROWROOT — 200 bbls, Morningstar-Nicol, Fort Townshend, St Vincent
ARTIST'S MATERIAL — 6 cs, Winsor & Newton, American Banker, London
ASBESTOS — 467 bgs, Raw Asbestos Distr, Chincha, Beira
PANAMA POWDER — 200 bgs, Sanib Corp, Pastores, Puerto Cortez
BAY RUM, DENATURED — 27 dms, Bornn Dist Co, Fort Townshend, St Thomas
BRISTLES — 21 cs, H Rosenhirsch Co, Tasmania, Kobe
55 cs, Tradesmen National Bank, Kwanto, Harbin
15 cs, Iwai & Co, Kwanto, Kobe
50 cs, Manufacturers Trust Co, Kwanto, Tientsin
50 cs, Public National Bank, Kwanto, Tientsin
50 cs, Corn Exchange Bank, Kwanto, Tientsin
55 cs, J H Schroeder Banking Corp, Kwanto, Tientsin
65 cs, Guaranty Trust Co, Kwanto, Tientsin
10 cs, Kwanto, Tientsin
1 cs, American Banker, London
7 cs, F H Cone & Co, Kirisima, Kobe
BRONZE POWDER — 1 cs, Hensel Bruckmann & Lorbacher, Europa, Bremen
BURDOCK ROOT — 99 bls, Olga, Antwerp
CACTUS—10 cs, Talamanca, Kingston
CARAWAY SEED—100 bgs, 11,000 lbs, R L Friedler, Olga, London
200 bgs, 22,000 lbs, M Witsenburg, Olga, London
CARDAMOM—7 cs, American Banker, London
7 cs, West Cusseta, Colombo
CASSIA FLOUR—1 bbl, Arabal Mfg Co, Fort Townshend, St Lucia
CASTOR BEANS—3,388 bgs, Rio Pardo, Bahia
CELERY SEED—72 bgs, J Heinz Co, Ingria, Marseilles
30 bgs, Ingria, Marseilles
CHALK, BLOCK — 1,515,000 kilos, Taintor Trading Co, Vincent, Dunkirk
PRECIPITATED—135 bgs, 50 bbls, H J Baker & Bros, Bristol City, Bristol
32 bgs, C B Chrystal & Co, American Importer, Liverpool
100 bgs, C B Chrystal & Co, American Banker, London
CHAMOIS SKINS—6 cs, Chase National Bank, President Harding, Havre
CHEMICALS—20 cs, 2,640 lbs, Stauffer Chemical Co, Hansa, Hamburg
15 crbys, 1,903 lbs, Hansa, Hamburg
7 cs, Schimmel & Co, Hansa, Hamburg
20 cks, W R Warner & Co, Hansa, Hamburg
17 bbls, Hansa, Hamburg
6 cs, Sandoz Chemical Works, Hansa, Hamburg
2 cs, C L Huisking & Co, Hansa, Bremen
50 bgs, Innis, Speiden & Co, Hansa, Bremen
80 cks, 20 bgs, Hansa, Bremen
1 cs, President Harding, Hamburg
200 bgs, 50 cks, Advance Solvents & Chemical Co, Westernland, Antwerp
50 bgs, 20 bbls, Philipp Bros, Westernland, Antwerp
66 cs, Mallinckrodt Chemical Works, Drottningholm, Gothenburg
35 cs, 10 dms, 9 bbls, Bergstrom Trading Co, Drottningholm, Gothenburg
21 cs, Sandoz Chemical Works, Europa, Bremen
2 cs, Gane & Ingram, Europa, Bremen
7 cs, 20 kegs, Pfaltz & Bauer, Europa, Bremen
2 dms, 6 cs, Europa, Bremen
26 dms, Michel Export Co, Black Tern, Rotterdam
5 cs, Black Tern, Rotterdam
50 cks, Hamburg, Hamburg
CHERRY FLOWER WATER—2 dms, J Manheimer, Ingria, Marseilles
CHILLIES—67 bgs, Volkart Bros, Tasmania, Kobe
72 bgs, Chincha, Mombasa
125 bgs, A G Dunn, Kirisima, Kobe
89 bgs, Toa Kiggo Corp, Kirisima, Osaka
CHROME METAL—50 dms, Driver, Harris Co, American Importer, Manchester
ORE—871 bgs, Sussex Trading Corp, Boringuen, Trujillo
5,900 tons, Chincha, Beira
CINNAMON QUILLS—50 bls, West Cusseta, Colombo
CLAY—13 cks, 16,500 lbs, Hansa, Bremen
BLUE—150 cks, Eberhard Faber Pencil Co, Emile Francqui, Antwerp
CLOVES—57 bgs, Catz American Co, Silverteak, Macassar
366 bgs, Catz American Co, Greystoke Castle, Menada
58 bgs, Royal Bank of Canada, Greystoke Castle, Saparoea
23 bgs, Catz American Co, Greystoke Castle, Macassar
267 bls, Barber S S Line, American Banker, London
1,583 bls, Chincha, Zanzibar
COALTAR INTERMEDIATES—3 cs, General Dyestuff Corp, Hansa, Hamburg
10 dms, Sandoz Chem Works, Hansa, Hamburg
10 cks, General Dyestuff Corp, Hansa, Bremen
4 cans, 4 dms, 1 cs, General Dyestuff Corp, Europa, Bremen
COCHINEAL—10 bgs, Europa, Bremen
COCOA BEANS—500 bgs, Wessel, Kulenkampf & Co, Fort Townshend, Trinidad
450 bgs, Machado & Co, Santa Elena, La Guaira
100 bgs, Meyer & Co, Santa Elena, Porto Cabello
100 bgs, Santa Elena, Porto Cabello
450 bgs, Curacao Trading Co, Borinquen, Trujillo
1,100 bgs, Middleton & Co, Van Rensselaer, Trinidad
300 bgs, Van Rensselaer, Trinidad
798 bgs, Busi & Stephenson, Zarembo, Lagos
2,896 bgs, Zarembo, Lagos
770 bgs, Balfour, Guthrie & Co, Zarembo, Assinie
1,500 bgs, Superintendence Co, Zarembo, Grand Bassam
3,080 bgs, Balfour, Guthrie & Co, Zarembo, Port Bouet
1,500 bgs, National City Bank, Zarembo, Grand Bassam
200 bgs, Curacao Trading Co, San Jacinto, Puerto Plata
900 bgs, Curacao Trading Co, San Jacinto, Sanchez
273 bgs, Gillespie & Co, San Jacinto, Sanchez
8,000 bgs, Wessel, Kulenkampf & Co, Rio Pardo, Ilheos
4,000 bgs, W R Grace & Co, Rio Pardo, Ilheos
6,500 bgs, General Cocoa Co, Rio Pardo, Ilheos
1,000 bgs, Nieschlag & Co, Rio Pardo, Ilheos
695 bgs, Rio Pardo, Bahia
6,250 bgs, General Cocoa Co, Rio Pardo, Bahia
4,000 bgs, Nieschlag & Co, Rio Pardo, Bahia
3,500 bgs, Wessel, Kulenkampf & Co, Rio Pardo, Bahia
15,568 bgs, W & A Leaman, Black Tern, Rotterdam
27 bgs, Daggett Chocolate Co, Angelina, San Juan
RESIDUE—1,000 bgs, Rio Pardo, Ilheos
COCONUTS—303 bgs, 30,300 lbs, I L Toledano Corp, Rosario, San Juan
974 bgs, 97,400 lbs, General Foods Corp, Rosario, San Juan
100 bgs, 10,000 lbs, Universal Import & Export Co, Rosario, Mayaguez
271 bgs, 27,100 lbs, Universal Import & Export Co, Rosario, Mayaguez
25 bgs, 2,500 lbs, Liberty Fruit Distr, Rosario, Mayaguez
23 bgs, 2,300 lbs, I L Toledano Corp, Rosario, Mayaguez
1,103 bgs, 110,300 lbs, Universal Import & Export Co, Jamaica, Kingston
2,193 bgs, 219,300 lbs, General Foods Corp, Jamaica, Kingston
709 bgs, 70,900 lbs, I L Toledano Corp, Cristobal, Cristobal
255 bgs, 25,500 lbs, J Simon & Co, San Jacinto, San Juan
9 bgs, 900 lbs, J Di Cristina, San Jacinto, San Juan
691 bgs, 69,100 lbs, General Foods Corp, Talamanca, Kingston
500 bgs, 50,000 lbs, Barclay Bank, Talamanca, Kingston
200 bgs, 20,000 lbs, Talamanca, Kingston
906 bgs, 90,600 lbs, General Foods Corp, Angelina, San Juan
130 bgs, 13,000 lbs, A J Trucco, Angelina, Mayaguez
155 bgs, 15,500 lbs, Angelina, Mayaguez
COCONUT, DESIC—1,005 cs, Dodwell & Co, Greystoke Castle, Manila
1,000 cs, General Foods Corp, Fernbank, Manila
909 cs, Balfour, Guthrie & Co, Fernbank, Manila
850 cs, Balfour, Guthrie & Co, Triton, Manila
682 cs, Durkee Famous Foods, Triton, Manila
1,280 cs, Durkee Famous Foods, Triton, Manila
2,569 cs, General Foods Corp, Triton, Manila
300 cs, Dodwell & Co, Triton, Manila
COLORS, COALTAR—1 ck, American Express Co, Black Tern, Rotterdam
EARTH—13 cs, American Importer, Liverpool
PRINTING — 7 dms, 3 cs, J E Mandlik, Hansa, Hamburg
CONCENTRATES — 1,553 bgs, Yomachichi, Melbourne
CORK—11 bls, Mundet Cork Corp, Ingria, Lisbon
DISCS—17 bls, Baldwin Universal Co, Ingria, Lisbon
SQUARE—1 bg, Wicander & Co, Ingria, Lisbon
WASTE—672 bls, President Harding, Hamburg
150 bls, Ingria, Lisbon
WOOD—14 bls, Wicander & Co, Ingria, Lisbon
216 bls, Mundet Cork Corp, Ingria, Lisbon
CUBEBS — 24 bgs, Greystoke Castle, Singapore
CUMIN SEED — 87 bgs, Ingria, Marseilles
DRUGS, CRUDE — 38 cs, Chase National Bank, American Banker, London
DUTCH METAL — 3 cs, Hensel Bruckmann & Lorbacher, Europa, Bremen
DYES, ALIZARIN — 2 cks, General Dyestuff Corp, Hansa, Bremen
6 cks, General Dyestuff Corp, Europa, Bremen
ANILIN — 3 dms, Sandoz Chem Works, Hansa, Hamburg
3 cks, 1 pkg, General Dyestuff Corp, Hansa, Hamburg
5 cks, Lowenstein Son, President Harding, Havre
13 cks, Geigy Co, Europa, Bremen
9 dms, 1 cs, Sandoz Chem Works, Europa, Bremen
1 pkg, General Dyestuff Corp, Europa, Bremen
DYEWOOD, CUTTED — 8 bls, J L Hopkins & Co, Saturnia, Trieste
EPHEDRINE HYDRO CHLORIDE — 1 pkg, Muitsui & Co, Aobasan, Kobe
FILTER COMPOUND — 100 bls, 50 cs, H Reifenberg, Hansa, Hamburg
MASSE — 1 cs, Aug Giese & Son, Hansa, Hamburg
PAPER — 19 cs, H Reeve, Angel & Co, American Banker, London
FLUORSPAR — 1,000 bgs, Ingria, St Raphael
1,155 tons, Ingria, St Raphael
FULLER'S EARTH — 850 bgs, L A Salomon & Bros, Bristol City, Bristol
GAMBIER — 240 bgs, E E Androvette, Greystoke Castle, Singapore
123 cs, L Littlejohn & Co, Greystoke Castle, Singapore
GELATIN—2 cs, C & J Willenborg, Hansa, Hamburg
3 cs, Dingelstedt & Co, Hansa, Bremen
POWDERED — 170 bgs, 66 cs, 73 cks, International Selling Corp, Olga, Antwerp
25 bbls, 100 bgs, R D McLellan, Black Tern, Rotterdam
SHEET — 78 bls, International Selling Corp, Olga, Antwerp
GINGER ROOT — 56 bgs, Knickerbocker Mills Co, Jamaica, Kingston
12 bgs, E A Marketing Co, Borinquen, San Juan
345 bgs, G B Ollivant, Zarembo, Freetown
1,498 bgs, Zarembo, Freetown
57 bgs, Barclay Bank, Talamanca, Kingston
56 bgs, W & A Leaman, Talamanca, Kingston
GLASS, PLATE—10 cs, Globe Shipping Co, Hansa, Hamburg
WINDOW—2 cs, Phoenix Shipping Co, Hansa, Hamburg
10 cs, Leo Popper & Son, Hansa, Hamburg
42 cs, W J Byrnes & Co, Hansa, Hamburg
5 cs, Leo Popper & Son, President Harding, Hamburg
700 cs, Vitrea Co, President Harding, Hamburg
20 cs, Semon, Bache & Co, President Harding, Hamburg
10 cs, Leo Popper & Son, Lancastria, Liverpool
GLUE, LIQUID—5 bbls, A Hurst & Co, Hansa, Hamburg
25 cs, E T Sullebarger Co, Cameronia, Glasgow
GLUESTOCK—400 bls, West Cusseta, Madras
GLYCERIN—1 car, Colgate-Palmolive-Peet Co Seatrain New Orleans, Havana
GRAPHITE—5 bbls, Hensel, Bruckmann & Lorbacher, Hansa, Hamburg
GREASE, WOOL—50 dms, Port Halifax, Melbourne
50 dms, Yomachichi, Melbourne
50 dms, American Cyanamid & Chem Co, American Importer, Manchester
34 dms, American Importer, Manchester
35 dms, A Hurst & Co, American Importer, Manchester
5 bbls, 1 ton, 1 cwt, 20 lbs, Lancastria, Liverpool
GUM—100 bgs, Ingria, Marseilles
ARABIC—400 bgs, S B Penick & Co, West Cusseta, Port Sudan
250 bgs, Thurston & Braidich, West Cusseta, Port Sudan
150 bgs, Innis, Speiden & Co, West Cusseta, Port Sudan
100 bgs, Manufacturers Trust Co, West Cusseta, Port Sudan
BENZOIN—8 cs, Ingria, Marseilles
BURNT—30 bgs, Red Hand Composition Co, American Banker, London
CHICLE—567 bls, Chicle Development Co, Pastores, Puerto Barrios
COPAL—70 bskts, National City Bank, Silverteak, Macassar
202 bskts, Manufacturers Trust Co, Silverteak, Macassar
65 bskts, Bank of Manhattan, Silverteak, Macassar
35 bgs, Gillespie-Rogers-Pyatt Co, Silverteak, Singapore
700 bgs, Gillespie-Rogers-Pyatt Co, Westernland, Antwerp
300 bgs, Westernland, Antwerp
90 bgs, Olga, London
DAMMAR—50 cs, O G Innes Corp, Silverteak, Batavia
100 cs, 100 bgs, Stroock & Wittenberg, Silverteak, Batavia
50 cs, 630 bgs, O G Innes Corp, Silverteak, Singapore
490 bgs, 25 cs, Gillespie-Rogers-Pyatt Co, Silverteak, Singapore
210 bgs, Thurston & Braidich, Silverteak, Singapore
210 bgs, O G Innes Corp, Silverteak, Singapore
50 cs, W H Scheel, Silverteak, Singapore
140 bgs, France, Campbell & Darling, Silverteak, Singapore
140 bgs, Silverteak, Singapore
50 cs, O G Innes Corp, Greystoke Castle, Singapore
210 bgs, France, Campbell & Darling, Greystoke Castle, Singapore
SANDARAC—8 bgs, Ingria, Casablanca
YACCA—1,131 bgs, Port Halifax, Port Adelaide
224 bgs, Goslar, Port Adelaide
GYPSUM—200 bgs, Whittaker, Clark & Daniels, American Importer, Manchester
CRUDE—5,224 tons, U S Gypsum Co, Gypsum King, Windsor
HERBS, MEDICINAL—6 bgs, 679 lbs, Hansa, Hamburg
5 bls, R J Prentiss & Co, Westernland, Antwerp
12 bls, J L Hopkins & Co, Saturnia, Trieste
34 bls, P H Petry & Co, Saturnia, Trieste
HOPS—7 bls, 2 ballots, Globe Shipping Co, Hansa, Hamburg
14 bls, American Express Co, Hansa, Hamburg
20 bls, 11,407 lbs, Geo Segel & Co, Hansa, Hamburg
60 bls, 34,289 lbs, R F Downing & Co, Hansa, Hamburg
47 bls, S S Steiner, President Harding, Hamburg
2 bls, Westernland, Antwerp
ILMENITE SAND — 920 tons, Travancore Mineral, Ltd, Silverteak, Colachel
INSECTICIDE—26 kegs, 1 ton, 3 cwt, 14 lbs, W Cooper & Nephews, Lancastria, Liverpool
IPECAC ROOT—6 bgs, Antigua, Port Limon
IRON ORE—6 dms, 224 bgs, Reichard-Coulston, American Importer, Liverpool
OXIDE—29 cks, C J Osborn & Co, President Harding, Southampton
50 bbls, G Z Collins Co, Bristol City, Bristol
45 bgs, American Importer, Liverpool
20 kegs, 1 ton, 7 cwt, 1 qtr, 8 lbs, J H Rhodes & Co, Lancastria, Liverpool
ISINGLASS—6 cs, Richard Shipping Corp, American Banker, London
JALAP ROOT—19 bgs, J L Hopkins & Co, Orizaba, Vera Cruz
LOOFAH—3 bls, Chase National Bank, Kwanto, Yokohama
MACE—14 cs, Irving Trust Co, Silverteak, Macassar
14 cs, Silverteak, Macassar
32 cs, Knickerbocker Mills Co, Silverteak, Singapore
16 cs, Silverteak, Singapore
5 cs, Knickerbocker Mills Co, Fort Townshend, Grenada
7 cs, Catz American Co, Greystoke Castle, Macassar
17 cs, Catz American Co, Greystoke Castle, Banda
32 cs, Van Loan & Co, Greystoke Castle, Singapore
MAGNESIA—1 cs, Schofield-Donald Co, American Importer, Liverpool
CARBONATE — 35 cks, Schofield-Donald Co, American Importer, Liverpool
MAGNESIA SULPHATE—20 bgs, President Harding, Hamburg
MANGANESE SULPHATE — 1 bbl, 244 lbs, Cuno Sievers, President Harding, Hamburg
MANGROVE BARK EXTRACT — 1,000 bgs, Silverteak, Singapore
1,000 bgs, Greystoke Castle, Singapore
5,087 bgs, Philippine Cutch Corp, Fernbank, Zamboanga
MATCHES, SAFETY — 7,000 cont, New York Match Co, Drottningholm, Gothenburg
MEDICINAL PREPS — 8 cs, Burroughs-Wellcome & Co, American Banker, London
MENTHOL — 25 cs, National City Bank, Kwanto, Kobe
75 cs, Mitsui & Co, Aabasan, Kobe
10 cs, Bridges, Neumer & Co, Kirisima, Kobe
MICA — 468 cs, Barber S S Line, American Banker, London
MINERALS, CONCENTRATED—48 bgs, Walker & Whyte Co, Santa Elena, Porto Colombia
MOLASSES — 175,000 gls, American Molasses Co, Munargo, Havana
MUSTARD SEED — 150 bgs, 33,000 lbs, President Harding, Hamburg
448 bgs, Corn Exchange Bank, Kwanto, Tientsin
498 bgs, Bank of N Y Trust Co, Kwanto, Tientsin
500 bgs, Kwanto, Tientsin
200 bgs, Catz American Co, Olga, London
345 bgs, B H Old & Co, Scanpenn, Copenhagen
NUTMEGS — 50 bgs, Thomas Scott & Co, Fort Townshend, Grenada
50 bgs, Knickerbocker Mills Co, Fort Townshend, Grenada
105 bgs, Greystoke Castle, Batavia
NUX VOMICA — 240 bgs, Mitsui & Co, Kwanto, Saigon
OIL, ANISE — 3 dms, Triton, Haiphong
BAY — 7 cs, J H Rodriguez, San Jacinto, San Juan
10 cs, D Steengrafe, Angelina, Arroyo
CASHEW — 100 dms, General Foods Corp, West Cusseta, Madras
CASSIA — 15 dms, Geo Lueders & Co, Silverteak, Hongkong
CHINAWOOD — 637 dms, Silverteak, Shanghai
78 tons, Triton, Hongkong
CITRONELLA — 12 dms, Greystoke Castle, Batavia
COCONUT — 513 tons, Philippine Refining Corp, Silverteak, Cebu
1,405 tons, Spencer Kellogg & Sons, Triton, Manila
1,460 tons, Kirisima, Manila
CORN—55 dms, N C Littauer, Emile Francqui, Antwerp
180 dms, Corn Product Refining Co, Cameronia, Glasgow
145 dms, Bristol City, Bristol
100 dms, I R Boody & Co, Olga, London
76,513 kilos, Black Tern, Antwerp
ELDER—1 cs, Davies Turner & Co, American Importer, Liverpool
ESSENTIAL—2 cs, Hansa, Hamburg
10 cs, President Harding, Havre
4 cs, President Harding, Basle
EUCALYPTUS—17 dms, Orbis Product Corp, Yomachichi, Sydney
12 dms, Dodge & Olcott Co, Yomachichi, Sydney
FISH LIVER — 34 dms, Vitamerican, Inc, Tasmania, Yokohama
208 dms, Vitamerican, Inc, Aobasan, Yokohama
FUEL—99,000 bbls, Standard Oil Co of N J, E G Seubert, Aruba
139,000 bbls, Standard Oil Co of N J, J D Archbold, Aruba
58,237 bbls, Asiatic Petroleum Corp, Arthur W Sewall, Aruba
98,500 bbls, Standard Oil Co of N J, Beacon, Aruba
95,000 bbls, Standard Oil Co of N J, Esso, Aruba
FUSEL—11 dms, C P Chemical Solvents, Inc, Rosario, Ponce
7 dms, P R Alcohol Co, Angelina, San Juan
GERANIUM—4 dms, J Manheimer, Ingria, Marseilles
10 dms, Chincha, Mombasa
GREASE — 20 bbls, Robinson-Wagner Co, Tasmania, Kobe
JUNIPER—4 bbls, Fritzsche Bros, Hansa, Hamburg
LIME—6 cs, Van Rensselaer, Trinidad
17 cs, Hoffmann La Roche, Olga, London
LUBRICATING—50 dms, Westernland, Antwerp
MINERAL—150 dms, Hansa, Hamburg
OLIVE—25 dms, Ingria, Marseilles
25 dms, La Manna, Azema & Farnan, Ingria, Nice
84 bbls, Ingria, Casablanca
50 dms, Antonio Corrao, Ingria, Lisbon
25 dms, Continental Import Co, Ingria, Lisbon
50 dms, 20 cs, Ingria, Lisbon
OLIVE SULPHUR—209 dms, Smith, Weihman Co, Ingria, Lisbon
ORANGE—10 cs, J A Manton, Jamaica, Kingston
7 cs, Fritzsche Bros, San Jacinto, San Juan
PALM — quantity, Banque Belge Pour l'Etranger, Greystoke Castle, Belawan Deli
PEANUT—543 tons, Mitsui & Co, Kwanto, Dairen
RESIDUE—3 bbls, Heemsoth, Kerner Corp, Hansa, Hamburg
RICE BRAN—150 dms, Mitsubishi Shoji Kaisha, Kirisima, Osaka
SESAME—50 cks, N C Littauer, President Harding, Hamburg
SHEANUT—697 dms, Balfour, Guthrie & Co, Zarembo, Dakar
SPERM—25 dms, Cameronia, Glasgow
SYNTHETIC—21 cs, Lo Curto & Funk, Olga, London
TEASEED—100 dms, W R Grace & Co, Tasmania, Shanghai
THYME—6 dms, 2,512 lbs, Hansa, Hamburg
VEGETABLE—100 dms, W R Grace & Co, Tasmania, Kobe
VETIVER—1 dm, Ungerer & Co, Silverteak, Batavia
WHALE — 7,841 tons, Western Operating Corp, Ulysses, Antarctic
ORANGE PEEL—25 bgs, Transmarine Merc Corp, Jamaica, Cape Haitien
PAINT—30 cks, Wedemann & Godknecht, Westernland, Antwerp
PALM KERNELS—3,735 bgs, Barclay Bank, Zarembo, Cotonou
1,208 bgs, G B Ollivant, Zarembo, Cotonou
1,269 bgs, Barclay Bank, Zarembo, Lome
PAPAIN—1 cs, 11 half chests, Dodwell & Co, Silverteak, Colombo
10 cs, McKesson & Robbins, West Cusseta, Colombo
PAPRIKA—275 bgs, Hansa, Hamburg
200 bgs, Victory Shipping Co, Hansa, Bremen
75 bgs, President Harding, Hamburg
475 bgs, Europa, Bremen

PEATMOSS—2,900 bls, 100 half bls, Hansa, Bremen
200 bls, Hansa, Hamburg
800 bls, Premier Peatmoss Corp, Scanpenn, Copenhagen
PEPPER, WHITE—258 bgs, Catz American Co, Silverteak, Kobe
333 bgs, I Harrison & Whitney, Silverteak, Batoeroesa
343 bgs, Catz American Co, Greystoke Castle, Koto Baroe
258 bgs, Catz American Co, Greystoke Castle, Macassar
PERFUMERY—1 dm, S B Penick & Co, Port Halifax, Sydney
PETROLEUM, CRUDE—105,337 bbls, Standard Oil Co of N J, T Q Barstow, Guiria
108,522 bbls, Gulf Oil Corp, Gulfwing, Las Piedras
POPPYSEED—100 bgs, 11,000 lbs, R L Friedler, Olga, London
200 bgs, 22,000 lbs, M Witsenburg, Olga, London
100 bgs, Catz American Co, Olga, London
200 bgs, 22,000 lbs, M Witsenburg, Scanpenn, Gdynia
POTASH CARBONATE—10 cks, 4,818 lbs, T C Wygandt, Hansa, Hamburg
CHLORATE, POWD—2,000 dms, 479,600 lbs, Uniform Chem Product Co, Hansa, Hamburg
50 dms, Charles Hardy, Emile Francqui, Antwerp
SALT—8 kgs, 6 cs, American Banker, London
SULPHATE—200 bgs, 40,189 lbs, N V Potash Export Mij, Hansa, Hamburg
PYRETHRUM FLOWERS—125 bls, McKesson & Robbins, Kwanto, Kobe
125 bls, R J Prentiss & Co, Aobasan, Kobe
125 bls, Mitsui & Co, Aobasan, Kobe
150 bls, Chincha, Mombasa
50 bls, Mitsubishi-Shoji-Kaisha, Kirisima, Kobe
QUASSIA CHIPS—540 bgs, R J Prentiss & Co, Jamaica, Kingston
RABBIT SKIN WASTE—61 bls, Fidelity Union Trust Co, Hansa, Hamburg
RESIN—17 dms, Paramet Chem Corp, American Banker, London
2 cks, B F Drakenfeld & Co, American Banker, London
ROOT, MEDICINAL—8 bls, J L Hopkins & Co, Saturnia, Trieste
SAGO FLOUR—1,462 bgs, Stein, Hall & Co, Greystoke Castle, Singapore
SARDINE MEAL—2,000 bgs, Mitsui & Co, Aobasan, Kobe
2,000 bgs, Wessel, Duval & Co, Kirisima, Kobe
SEED, MEDICINAL—1 bl, J L Hopkins & Co, Saturnia, Trieste
SENNA LEAVES—500 bls, Midland Trust Co, West Cusseta, Port Sudan
SIFTINGS—280 bls, Midland Trust Co, West Cusseta, Port Sudan
SESAME SEED—248 bgs, Bank of N Y Trust Co, Kwanto, Tientsin
SHELLAC — 15 bgs, 20 cs, A Hurst & Co, Hansa, Hamburg
4 bbls, American Banker, London
20 bgs, Wm Zinsser & Co, American Banker, London
400 bgs, West Cusseta, Calcutta
GARNET LAC—25 bgs, Wm Zinsser & Co, American Banker, London
SEEDLAC—400 bgs, Wm Zinsser & Co, West Cusseta, Calcutta
700 bgs, West Cusseta, Calcutta
SKIN WASTE—13 bls, Olga, London
SOAP—10 cs, H W Robinson & Co, Hansa, Hamburg
2 cs, American Banker, London
TOILET—1 cs, E Fougera & Co, American Banker, London
SODA COMPOUND—6 cs, Mallinckrodt Chem Works, Paris, Havre
HYDROSULPHITE — 40 dms, 9,504 lbs, Hansa, Hamburg
NITRATE—33,900 bgs, Chilean Nitrate Sales Corp, Paula, Tocopilla
13,687 bgs, Chilean Nitrate Sales Corp, Paula, Iquique
226,800 kilos, Chilean Nitrate Sales Corp, Paula, Iquique
SOLVENTS—400 dms, P R Alcohol Co, Rosario, San Juan
500 dms, C P Chemical Solvents, Inc, Rosario, Ponce
269 dms, P R Alcohol Co, Angelina, San Juan
SPONGES—20 cs, Dumont Shipping Co, Hansa, Hamburg
58 bls, Continental Merch Co, President Harding, Basle
17 bls, Schroeder & Tremayne, Oriente, Havana
1 bl, American Sponge & Chamois Co, Fernbank, Manila
4 bls, International Forwarding Co, Munargo, Nassau
15 bls, J H Rhodes & Co, Munargo, Nassau
18 bls, Munargo, Nassau
REFUSE — 110 bls, Johns Manville Corp, Antigua, Havana
3 bls, International Forwarding Co, Munargo, Nassau
2 bls, J H Rhodes & Co, Munargo, Nassau
41 bls, Johns Manville Corp, Munargo, Nassau
STARCH, POTATO — 200 bgs, 44,000 lbs, Heemsoth-Kerner Corp, President Harding, Hamburg
RICE—50 bbls, 11,550 lbs, Habicht, Braun & Co, Hansa, Bremen
TALC — 72 bgs, C B Chrystal & Co, Aobasan, Kobe
TAMARINDS — 25 bbls, S B Penick & Co, Fort Townshend, Antigua
IN SYRUP — 50 bbls, Jonas Brown & Son, Fort Townshend, Montserrat
TAPIOCA FLOUR — 552 bgs, Guaranty Trust Co, Silverteak, Sourabaya
1,103 bgs, National Adhesive Corp, Silverteak, Sourabaya
2,206 bgs, Chase National Bank, Greystoke Castle, Pasoeroean
TARTAR—117 bgs, Standard Brands, Ingria, Marseilles
755 bgs, Charles Pfizer & Co, Ingria, Marseilles
THYME LEAVES—74 bls, Ingria, Marseilles
TIMRO ROOT POWD — 200 cs, Culberson, Para
210 cs, G W Cole & Co, Rio Pardo, Para
TOLU BALSAM — 20 cs, H E Botzow, Santa Elena, Porto Colombia
10 cks, 6 cs, Magnus, Mabee & Reynard, American Banker, London

CLEANING MILLING
GUMS, DRUGS, FOOD PRODUCTS
To
Your Specification
Try
Gruman's Service
Telephone MArket 3-2491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N.J.

TOLU BALSAM—25 cs, Wessel, Duval & Co, Talamanca, Porto Colombia
TURMERIC—200 bgs, Barber S S Line, American Banker, London
UMBER—30 cks, 4 tons, 14 cwt, 1 qtr, 24 lbs, Whittaker, Clark & Daniels, Lancastria, Liverpool
VANILLA BEANS—1 cs, Fort Townshend, St Lucia
10 cs, President Harding, Havre
WATER, MINERAL — 25 cs, Olaf Hertzurg Trading Co, Drottningholm, Gothenburg
100 cs, Lansen Naeve Corp, American Banker, London
WAX, BEES — 5 bgs, Curacao Trading Co, Borinquen, Trujillo
40 bgs, Machado & Co, Borinquen, Trujillo
45 bgs, Oriente, Havana
43 bls, W M Allison & Co, Ingria, Lisbon
CARNAUBA—72 bgs, Bank of London South America, Rio Pardo, Bahia
101 bgs, Strahl & Pitsch, Rio Pardo, Bahia
216 bgs, Rio Pardo, Bahia
MONTAN, BLEACHED—60 bgs, 6,705 lbs, Strohmeyer & Arpe Co, Hansa, Hamburg
MONTAN, CRUDE — 750 bgs, 115,500 lbs, Strohmeyer & Arpe Co, Hansa, Hamburg
SPERMACETTI—50 cs, Cameronia, Glasgow
VEGETABLE — 100 bgs, A Hurst & Co, American Banker, London
200 cs, Mitsui & Co, Aobasan, Kobe
WHITING—1,040 bgs, Emile Francqui, Antwerp
YEAST—75 bbls, 9,900 lbs, Hansa, Hamburg
160 bbls, Vulkan Yeast Co, Hansa, Hamburg
4 bbls, Victory Shipping Co, President Harding, Hamburg
BREWERS—300 bgs, 33,000 lbs, Chase National Bank, Hansa, Hamburg
ZINC, CHLORIDE—1 bbl, N J Malmstrom & Co, Drottningholm, Gothenburg
OXIDE—55 bbls, Innis, Speiden & Co, Emile Francqui, Antwerp
1 cs, Singmaster & Breyer, Kwanto, Yokohama
ZIRCON SAND—500 bgs, Port Halifax, Sydney
60 bgs, Yomachichi, Sydney

New York Transit Imports

AGAR AGAR—50 bls, McKesson & Robbins, Tasmania, Kobe, Bridgeport
25 bls, McKesson & Robbins, Kirisima, Kobe, Bridgeport
CAMPHOR, REFINED—200 cs, McKesson & Robbins, Kwanto, Kobe, Bridgeport
ISINGLASS—10 cs, National Carloading Corp, American Banker, London, Chicago
MENTHOL—85 cs, McKesson & Robbins, Kwanto, Kobe, Bridgeport
OIL, MINERAL—70 dms, Westernland, Antwerp, Chicago
PYRETHRUM FLOWERS—250 bls, McKesson & Robbins, Tasmania, Kobe, Bridgeport
RAPESEED—11 bgs, American Express Co, American Banker, London, Buffalo
SPONGES—15 bls, Oriente, Havana, London
4 bls, Oriente, Havana, Philadelphia
133 bls, Munargo, Nassau, London
45 bls, Munargo, Nassau, Amsterdam
44 bls, Munargo, Nassau, Havre
3 bls, Munargo, Nassau, Kobe
10 bls, Munargo, Nassau, Osaka
REFUSE—14 bls, Oriente, Havana, London
1 bl, Oriente, Havana, Philadelphia
59 bls, Munargo, Nassau, London
21 bls, Munargo, Nassau, Amsterdam
STARCH, RICE POWD—8 bbls, Eastman Kodak Co, Hansa, Bremen, Berkeley
ZINC SULPHIDE—1 ck, Claudius A R Sons, American Banker, London, Irvington

Baltimore Imports

ANTIMONY OXIDE—300 bgs, Black Heron, Antwerp
BONE PHOSPHATE—280 bgs, Black Heron, Antwerp
BRONZE & ALUMINUM POWDER—4 cs, W H Masson, City of Baltimore, Hamburg
CHEMICALS—2,000 bgs, 21 dms, Black Heron, Antwerp
11 cs, Balto & Ohio RR Co, City of Baltimore, Bremen
250 bgs, City of Baltimore, Hamburg
2 cs, W H Masson, City of Baltimore, Hamburg
CHROME ORE—3,000 tons, Mutual Chem Co, Celtic Monarch, Noumea
2,100 tons, Phila Nat Bank, Celtic Monarch, Lourenco Marques
CLAY—300 bgs, City of Baltimore, Hamburg
FERTILIZER, NITROGENOUS — 1,018 bgs, Manchester Exporter, Manchester
IRON ORE—21,500 tons, Bethlehem Steel Co, Steelore, Cruz Grande
22,250 tons, Bethlehem Steel Co, Amerikaland, Cruz Grande
30 tons, Cold Harbor, Liverpool
LEATHER MEAL—1,000 bgs, Black Heron, Rotterdam
OIL, FUEL—58,000 bbls, Standard Oil Co N J, Ampetco, Aruba
OLIVE—1,265 dms, Exermont, Tunis
PEATMOSS—4,345 bls, City of Baltimore, Bremen
750 bls, Black Heron, Rotterdam
600 bls, City of Baltimore, Hamburg
PETROLEUM, CRUDE—72,074 bbls, Standard Oil Co N J, I C White, Las Piedras
PYRITES—8,292 tons, Justitia, Huelva
SODA, NITRATE—3,779 tons, Oklahoman, Tocopilla
WOOLGREASE—10 bbls, Cold Harbor, Liverpool

Boston Imports

CHEMICALS — 65 cks, 48,031 lbs, Chemical Marketing Co, Frankenwald, Hamburg
4 cs, 613 lbs, Leonard W Cronkhite, Frankenwald, Hamburg
80 cks, Bilderdijk, Rotterdam
COCOA BEANS—1,452 bgs, 106 tons, Zarembo, Lagos
6,155 bgs, 400 tons, Balfour Guthrie Co, Zarembo, Port Bouet
3,474 bgs, W & A Leaman, Bilderdijk, Rotterdam
2,000 bgs, Nieschlag & Co, Rio Pardo, Ilheos
2,500 bgs, Wessels Kulenkampff & Co, Rio Pardo, Ilheos
1,000 bgs, General Cocoa Co, Rio Pardo, Bahia
COCONUTS—200 bgs, J Simons & Co, Lady Rodney, Kingston
500 bgs, Universal Import & Export Co, Lady Rodney, Kingston
52 bgs, Lady Drake, St Lucia
EMERY FILLET—1 cs, C E Quinn, Lancastria, Liverpool
1 cs, Atkinson Haserick Co, American Importer, Liverpool
FLINT PEBBLES—50 bgs, 11,190 lbs, Oxford Mining & Milling Co, Frankenwald, Hamburg
GELATIN—100 bgs, Robt D McLellan, Bilderdijk, Rotterdam
GINGER ROOT—57 bgs, Lady Rodney, Kingston
GLUESTOCK—114 bgs, 11,212 lbs, Butterworth & Co, Frankenwald, Hamburg
FISH—20 bxs, and 1 bbl, J R Poole Co, Yarmouth, Yarmouth
HIDE — 265 bgs, American Importer, Manchester
295 bgs, American Importer, Liverpool
GREASE, ANIMAL—75 dms, Bilderdijk, Rotterdam
GUM, ARABIC—100 bgs, 22,487 lbs, Manaar, Port Sudan
LIME JUICE—2 hgsds, State Products Co, Lady Drake, Dominica
MAGNESIA, CARBONATE—224 bgs, Schofield-Donald Co, American Importer, Liverpool
MICA SPLITTINGS—333 cs, Manaar, Calcutta
MUSTARD SEED—50 bgs, D & L Slade Co, Bilderdijk, Rotterdam
OIL—10 dms, American Express Co, American Importer, Liverpool
COCONUT—1,514 tons, Philippine Refining Corpn, Silverteak, Cebu
COD—W Fischer, Bilderdijk, Rotterdam
PEATMOSS — 400 bls, 61,729 lbs, Atkins & Durbrow, Frankenwald, Bremen
1,600 bls, 245,019 lbs, Frankenwald, Bremen
1,730 bls, Premier Peat Moss Corp, Bilderdijk, Rotterdam
POPPYSEED — 50 bgs, J Sklar & Co, Bilderdijk, Rotterdam
50 bgs, Catz American Co, Bilderdijk, Rotterdam
POTASH, CHLORATE — 600 dms, 144,181 lbs, Uniform Chemical Products, Frankenwald, Hamburg
SAGO FLOUR — 10 bgs, National Importing Co, Rydboholm, Gothenburg
SHELLAC — 300 bgs, Bankers Trust Co, Manaar, Calcutta
25 chsts, Manaar, Calcutta
STARCH, CHEMICALLY TREATED — 590 bgs, Bilderdijk, Rotterdam
POTATO — 750 bgs, Bilderdijk, Rotterdam
TAPIOCA FLOUR — 252 bgs, Aaron D Weld's Sons, Silverteak, Sourabaya
552 bgs, Guaranty Trust Co, Silverteak, Sourabaya
TARTAR — 100 bgs, Bilderdijk, Rotterdam
TRICHLORETHYLENE — 16 dms, Bilderdijk, Rotterdam

Boston Transit Imports

COLOR, DRY — 3 cs, Croxall Chemical & Supply Co, Lancastria, Liverpool, for Cleveland, O

Gloucester Imports

GLUESTOCK, FISH — 386 bgs, Russia Cement Co, O K Service 11, Lunenburg, N S

Houston Imports

PEATMOSS — 1,085 bls, Blommersdijk, Rotterdam
QUEBRACHO EXTRACT — 500 bgs, Eidsvold, Buenos Aires

Los Angeles Imports

AGAR AGAR—1,590 lbs, President Coolidge, Kobe
ANTIMONY ORE—85,000 lbs, from Mexico
BABASSU KERNELS—440,090 lbs, West Ira, Brazil
BEAN CAKE—1,500 lbs, Tasmania, Tokio
300 lbs, Shunten, Kobe
500 lbs, Taiyo, Kobe
CALCIUM ARSENATE — 50,000 lbs, Cuba, Osaka
CANARY SEED—153,760 lbs, West Nilus, Buenos Aires
CASSIA, UNGROUND—11,760 lbs, President Coolidge, Ceylon
CHEMICAL COMPOUND — 10 lbs, Lima, Sweden
CHILLIES, UNGROUND—10,000 lbs, Cuba, Kobe
CINNAMON, UNGROUND—10,000 lbs, President Coolidge, Ceylon
COALTAR, DEHYDRATED—49,500 lbs, Corrientes, London
COPRA—448,000 lbs, Hoegh Silverlight, Iloilo
560,000 lbs, Hoegh Silverlight, Philippine Islands
MEAL—400,000 lbs, Silverwillow, Manila
200,000 lbs, Triton, Manila
600,000 lbs, Hoegh Silverlight, Manila
CORIANDER SEED — 11,840 lbs, President Coolidge, Amritsar
CUMIN SEED—10,700 lbs, President Coolidge, Amritsar
DENDE KERNELS—92,590 lbs, West Ira, Bahia
23,150 lbs, West Nilus, Bahia
DRUGS, ADVANCE—90 lbs, President Coolidge, Hongkong
CRUDE—500 lbs, President Coolidge, Hongkong
4,960 lbs, Kimikawa, Yokohama
FERTILIZER—500,000 lbs, Shunten, Kobe
99,990 lbs, Shunten, Osaka
321,440 lbs, Kingsley, Trail
FISH LIVERS, FROZEN—4,400 lbs, Nagara, Japan
MEAL—548,000 lbs, Shunten, Tokio
GINGER ROOT PREP—120 lbs, Nagara, Yokohama
720 lbs, President Coolidge, Hongkong
GUM COPAL—17,740 lbs, Hoegh Silverlight, Macassar
HEMPSEED MEAL—280,000 lbs, Shunten, Kobe
INK, WRITING—80 lbs, President Coolidge, Hongkong
ISINGLASS—40 lbs, Nagara, Yokohama
MAGNESIA CARBONATE—3,500 lbs, Corrientes, Newcastle
MEDICINAL PREPS—150 lbs, Shunten, Kobe
120 lbs, Shunten, Kobe
OIL, CITRONELLA — 4,400 lbs, President Coolidge, Colombo
EUCALYPTUS—1,240 lbs, Mariposa, Melbourne
LUBRICATING—16,490 lbs, Pan Norway, Aruba
26 dms, 13,190 lbs, Pan Norway, Aruba
OLIVE—11,020 lbs, Cellina, Marseilles
17,550 lbs, Cellina, Leghorn
4,630 lbs, Cellina, Genoa
PEANUT—5,690 lbs, President Coolidge, Hongkong
PERILLA—120,000 lbs, Kanto, Dairen
RICE BRAN—140,000 lbs, Shunten, Kobe
SESAME—210 lbs, President Coolidge, Hongkong
TUNG—42,000 lbs, Niel Maersk, Canton
PAPRIKA GROUND—2,750 lbs, From Budapest
PEPPER, BLACK—10,710 lbs, Hoegh Silverlight, Batavia
QUEBRACHO EXTRACT—32,650 lbs, West Nilus, Buenos Aires
SARDINE MEAL—2,000,000 lbs, Cuba, Keiyo Chosen
600,000 lbs, Cuba, Seishin, Japan
SEAWEEDS—250 lbs, Yamazuki, Yokohama
100 lbs, President Coolidge, Hongkong
SESAME SEED—33,290 lbs, President Coolidge, Amritsar
10,000 lbs, President Coolidge, Hongkong
SODA NITRATE—1,400,000 lbs, Cuzco, Tocopilla
SOYBEAN—500 lbs, Nagara, Yokohama
MEAL—149,250 lbs, Cuba, Dairen
STARCHES—110 lbs, Nagara, Yokohama
STRAMONIUM LEAVES—66,230 lbs, Cellina, Budapest
TANKAGE—547,970 lbs, West Nilus, Buenos Aires
39,570 lbs, West Nilus, Montevideo
TAPIOCA FLOUR—3,000 lbs, President Coolidge, Hongkong
33,470 lbs, Hoegh Silverlight, Sourabaya
TOILET PREP—40 lbs, Nagara, Yokohama
100 lbs, Shunten, Kobe
VANILLA BEANS—1,140 lbs, Cellina, Marseilles

Mobile Imports

BAUXITE ORE—2,850 tons, Bennestvet, Paramaribo
1,108 tons, Bennestvet, Port of Spain
3,925 tons, Askeladden, Port of Spain
MANGANESE ORE—4,850 tons, M C Holm, Santiago
SODA, NITRATE—2,669 tons, Ferncliff, Tocopilla

New Orleans Imports

ACID, CRESYLIC—80 dms, Missouri Pacific R R, Duquesne, Rotterdam
CASSIA—200 bls, Bank of California, Cefalu, Cristobal
COCONUTS—100 sx, Crawford Ellis, Belize
22,775, Fruit Dispatch Co, Baja California, Swan Island
COCOA BUTTER—3 cs, Munson S S Line, Duquesne, Rotterdam
GUM, CHICLE—21 bls, Chicle Development Co, Crawford Ellis, Belize
1,264 bls, Wm Wrigley Jr, Crawford Ellis, Belize
86 bls, Crawford Ellis, Belize
MUSTARD SEED—150 sx, D Evans, Duquesne, Rotterdam
OIL, CODLIVER—75 cks, Eelsingh & Lustigheid, Duquesne, Rotterdam
OLIVE—35 cs, Alberta, Palermo

Norfolk Imports

BLOOD, DRIED—2,223 bgs, 220,460 lbs, H J Baker & Bros, West Columb, Buenos Aires
615 bgs, 23 tons, West Columb, Rio de Janeiro
CHINA CLAY — 491 tons, 7 cwt, Paper Makers Importing Co, Lycia, Fowey
CLAY, BALL — 82 tons, 7 cwt, Paper Makers Importing Co, Lycia, Fowey
120 tons, 14 cwt, John W Higman & Co, Lycia, Fowey
200 tons, 14 cwt, J W Higman & Co, Lycia, Fowey
500 bgs, 51 tons, 11 cwt, J W Higman & Co, Lycia, Fowey
LEATHER MEAL — 750 bgs, 75 cwt, Waukegan, Liverpool
WASTE — 1,053 bgs, Bristol City, Bristol
100 cs, 7 cwt, 1 qtr, Waukegan, Manchester
OIL, FUEL — 26,500 bbls, equivalent to 1,113,000 U S measured gls, Standard Oil Co of N J, T J Williams, Aruba, N W I
QUEBRACHO EXTRACT — 1,000 bgs, 110,331 lbs, American Tanners, West Columb, Buenos Aires
14,768 bgs, 1,572,220 lbs, Tannin Corp, West Columb, Buenos Aires
1,008 bgs, 110,263 lbs, American Tanners, West Columb, Buenos Aires
TANKAGE — 2,285 bgs, 242,503 lbs, Jos C Jett & Co, West Columb, Buenos Aires
2,000 bgs, 220,460 lbs, H J Baker & Bros, West Columb, Buenos Aires
610 cks, and 5 bgs, 147,708 lbs, H J Baker & Bros, West Columb, Buenos Aires

Philadelphia Imports

ACID, CRESYLIC—51 dms, John H Faunce, McKeesport, Hull
377 dms, John H Faunce, Cold Harbor, Glasgow
50 dms, John H Faunce, Cold Harbor, Liverpool
AMMONIA, SULPHATE — 1,250 bgs, Bilderdijk, Rotterdam
BONE, MEAL — 1,503 bgs, Ore & Chemical Corp, Frankenwald, Hamburg
PHOSPHATE—562 bgs, Black Osprey, Antwerp
BRISTLES—3 cs, McKeesport, London
CANARY SEED—247 bgs, G Dunn, Culberson, Buenos Aires
CHALK—563 bgs, Frankenwald, Bremen
CHEMICALS—100 dms, Cold Harbor, Liverpool
100 cks, Industrial Sales Corp, Black Osprey, Antwerp
20 cks, E W C Toepfer, Black Osprey, Antwerp
148 dms, Advance Solvents & Chemical Corp, Bilderdijk, Rotterdam
100 bgs, Advance Solvents & Chemical Corp, Bilderdijk, Rotterdam
48 bbls, Bilderdijk, Rotterdam
100 dms, Bilderdijk, Rotterdam
80 cks, Bilderdijk, Rotterdam
257 bgs, Chase National Bank, Bilderdijk, Rotterdam
735 bgs, Frankenwald, Bremen
CHROME ORE—8,250 tons, Haxby, Manila
CLAY, BOND — 100,000 kilos, McKeesport, Hamburg
FIRE—262,000 kilos, McKeesport, Hamburg
COCOA BEANS—2,146 bgs, W & A Leaman, Black Osprey, Rotterdam
1,000 bgs, Blumenthal Bros, Cape Howe, Bahia
1,000 bgs, Parnahyba, Bahia
RESIDUE, GRD—300 bgs, Woodward & Dickerson, Bilderdijk, Rotterdam
COCONUTS — 100 bgs, General Foods Corp, Hokkai, Cristobal
DRUGS, CRUDE—22 cs, McKeesport, Hamburg
FERRO MANGANESE — 99,350 kilos, Bilderdijk, Rotterdam
FERTILIZER, VEGETABLE—4,000 bgs, Ore & Chemical Corp, Frankenwald, Hamburg
FLUORSPAR—809,600 kilos, General Chemical, Frankenwald, Bremen
FURNACE SAND—1,200 bgs, Black Osprey, Rotterdam
GLASS, MICROSCOPIC—7 bxs, H Thomas Co, Cold Harbor, Liverpool
WINDOW—3 cs, Black Osprey, Antwerp
GRAPHITE—572 bgs, Irving Trust Co, Manaar, Colombo
GUM, ARABIC—50 bgs, Manaar, Port Sudan
CHICLE—600 bgs, Chicle Development Corp, Tela, Puerto Barrios
GYPSUM, CRUDE—5,600 tons, U S Gypsum Co, Gypsum Empress, Windsor
HOPS—5 bls, Black Osprey, Antwerp
KYANITE—25 tons, Manaar, Calcutta
LICORICE ROOT—12,581 bls, Express, Izmir
MAGNESITE—30 dms, Speiden & Whitford Co, Bilderdijk, Rotterdam
CALCINED—80 bbls, Bilderdijk, Rotterdam
MOLASSES—500,000 gls, Chase National Bank, Dora, Manoula
645,440 gls, Catahoula, Guanica
303,665 gls, Catahoula, La Romana
454,400 gls, Catahoula, San Pedro de Macoris
OIL, CODLIVER—314 dms, 180 cks, McKeesport, Hamburg
100 dms, Allen Forwarding Co, Frankenwald, Hamburg
100 dms, Frankenwald, Hamburg
CORN—114,095 kilos, Black Osprey, Rotterdam
298,292 kilos, Bilderdijk, Rotterdam
COTTONSEED—835 dms, Anderson, Clayton & Co, Culberson, Buenos Aires
CUTTING—1 dm, E F Houghton & Co, Rydboholm, Copenhagen
MINERAL—1 dm, E F Houghton & Co, Rydboholm, Copenhagen
SHEANUT, REFINED—265 bbls, Bilderdijk, Rotterdam
TEASEED—110 dms, Ward, Hongkong
VEGETABLE—25 dms, Incasso Bank, Bilderdijk, Rotterdam
ONION POWDER—2 cs, Bilderdijk, Rotterdam

PEATMOSS—800 bls, Marine Holland Trust Co, Bilderdijk, Rotterdam
100 bls, Bilderdijk, Rotterdam
2,250 bls, Frankenwald, Bremen
PEPPER, RED—10 bgs, Schenker & Co, Frankenwald, Hamburg
10 cs, Schenker & Co, Frankenwald, Hamburg
25 bgs, T K Laudenslager & Co, Frankenwald, Hamburg
PETROLEUM, CRUDE—110,026 bbls, Gulf Oil Corp, Gulfbird, Las Piedras
110,217 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
POPPYSEED—75 bgs, Levy & Levis Co, Black Osprey, Rotterdam
POTASH SULPHATE—1,000 bgs, N V Potash Export Mij, Frankenwald, Bremen
RAPESEED—500 bgs, First National Bank, Express, Constanza
110 bgs, Black Osprey, Antwerp
SALTPETER—277 bgs, Frankenwald, Bremen
SHELLAC—275 bgs, Manaar, Calcutta
STARCH—2 bgs, Rydboholm, Gothenburg
POTATO—100 bgs, Bilderdijk, Rotterdam
250 bgs, Stein, Hall & Co, Bilderdijk, Rotterdam
TALLOIL—12 bbls, Haas Miller Corp, Rydboholm, Stockholm
TANKAGE—2,706 cakes, Culberson, Buenos Aires
116 bgs, Culberson, Buenos Aires
UREA—1,000 bgs, Synthetic Nitrogen Products Corp, Black Osprey, Rotterdam
VALONIA EXTRACT—203 bgs, Tannin Corp, Express, Izmir
WAX, CARNAUBA—23 bgs, Philadelphia National Bank, Cape Howe, Ceara

Portland, Ore., Imports

SOAP, SOFT—28 bbls, Gracia, Liverpool
STARCH, CHEMICALLY TREATED—600 sks, Delftdijk, Rotterdam

San Diego Imports

PEATMOSS—2,000 bls, Wilson & George Meyer & Co, Canada, Gothenburg

San Francisco Imports

AGAR AGAR — 5 cs, Pacific Trading Co, Shunten, Yokohama
ARGOLS — 253 sks, W R Grace & Co, Annie Johnson, San Antonio
BABASSU KERNELS — 3,334 sks, Bank of California, N A, West Ira, Maranhao
1,693 sks, West Ira, Maranhao
CALCIUM NITRATE — 30,466 sks, Wilson & George Meyer & Co, Benjamin Franklin, Heroen-Porsgrund
CANARY SEED — 250 sks, Germain Seed & Plant Co, West Ira, Buenos Aires
CASSIA — 50 bls, Granville, Hongkong
100 bls, S L Jones & Co, Granville, Hongkong
100 bls, A Schilling & Co, Granville, Hongkong
200 bls, S H Tyler & Son, Granville, Hongkong
100 bls, McClintock-Stern Co, Granville, Hongkong
COCOA BEANS — 1,400 sks, H A Phillips & Co, West Ira, Bahia
300 sks, Vandel Commercial Co, West Ira, Port of Spain
COCONUT, DESIC — 100 cs, Philippine Desiccated Coconut Corp, Granville, Zamboanga
COPRA — 500 tons, Gyokoh, Cebu
300 tons, El Dorado Oil Works, Granville, Jolo (for Oakland)
550 tons, El Dorado Oil Works, Granville, Zamboanga (for Oakland)
500 tons, Durkee Famous Foods, Granville, Cebu (for Oakland)
100 tons, El Dorado Oil Works, Granville, Cebu (for Oakland)
105 tons, Granville, Cebu (for Oakland)
300 tons, Western Vegetable Oil Co, Granville, Cebu (for Oakland)
210 tons, R J Roesling & Co, Granville, Dumaguete (for Oakland)
DENTIFRICE — 3 cs, North American Mercantile Co, Shunten, Yokohama
FERTILIZER — 1,000 sks, Sakae Araki, Shunten, Kobe
FISH MEAL — 35 pkgs, Nippon Co, Shunten, Nagoya
FLINT PEBBLES — 280 sks, Europa, Copenhagen
FLAXSEED — 149 sks, National City Bank of N Y, West Ira, Buenos Aires
GINGER ROOT — 31 cs, Maunawili, Hilo
GLASS, WINDOW — 10 cs, Pacific Exporter, Manchester
HEMPSEED MEAL — 11,000 sks, Taylor Milling Corp, Gyokoh, Kobe (for Oakland)
LINSEED MEAL — 1,500 sks, Wilbur-Ellis Co, Shunten, Kobe
5,921 sks, Taylor Milling Corp, Gyokoh, Kobe (for Oakland)
MARGARIN, VEGETABLE — 500 cs, David B Berelson, Granville, Manila
MEDICINAL PREPS — 5 cs, North American Mercantile Co, Shunten, Yokohama
1 cs, Hinomoto Co, Shunten, Yokohama
6 cs, Kwong Yick, Granville, Hongkong
MOLASSES—2,000,000 lbs, Makawell, Honolulu
1,005 tons, Maunawili, Port Allen
1,049,000 lbs, Malama, Ahukini
NUTMEGS—80 sks, B C Ireland, West Ira, Port of Spain
OIL, CHINAWOOD—391 tons, S L Jones & Co, Granville, Hongkong
200 tons, Pacific Vegetable Oil Corp, Granville, Hongkong
270 tons, 125 dms, D Hecht & Co, Granville, Hongkong
CODLIVER—5 cks, Fred Olsen Line Agency, Benjamin Franklin, Oslo
RICE BRAN—100 dms, Mitsubishi Shoji Kaisha, Gyokoh, Kobe
PEATMOSS—1,403 bls, Wilson & George Meyer & Co, Benjamin Franklin, Oslo
250 bls, East Asiatic Co, Europa, Copenhagen
1,000 bls, Wilson & George Meyer & Co, Europa, Copenhagen
1,000 bls, Wilson & George Meyer & Co, Europa, Gothenburg
PEPPER, WHITE—125 sks, Granville, Pangkal Pinang
PIMENTO—125 sks, Barclays Bank, Europa, Kingston
QUEBRACHO EXTRACT—531 sks, Tannin Corp, West Ira, Buenos Aires
RAPESEED—375 sks, A G Dunn, Gyokoh, Otaru
MEAL—1,000 sks, California Flower Market, Shunten, Kobe
SARDINE MEAL—1,000 sks, Shunten, Kobe
4,000 sks, S L Jones & Co, Shunten, Kobe
10,000 sks, Mitsubishi Shoji Kaisha, San Ramon, Kobe
10,000 sks, Taylor Milling Corp, Gyokoh, Kobe (for Oakland)
4,000 sks, Mitsubishi Shoji Kaisha, Gyokoh, Kobe (for Oakland)
SESAME MEAL—1,000 sks, Durkee Famous Foods, Gyokoh, Yokohama
SEED—224 sks, S L Jones & Co, Granville, Hongkong
SODA SULPHIDE CRYSTALS—1 cs, Pacific Exporter, Manchester
STARCH—121 cs, Kwong Yick, Granville, Hongkong
40 cs, Cheong Shing, Granville, Hongkong
TALLOW—3 bbls, Maunawili, Hilo
TOILET PREPS—1 cs, Hinimoto Co, Shunten, Yokohama
WHITING, LUMP—2 bbls, Europa, Copenhagen
BOLTED—72 bbls, 110 sks, Europa, Copenhagen
WOODFLOUR — 1,875 sks, B L Soberski, Benjamin Franklin, Oslo

Seattle Imports

ACID, CRESYLIC — 10 dms, Gracia, Liverpool
25 dms, First National Bank of Seattle, Gracia, Liverpool
CHEMICALS — 112 dms, E F Houghton & Co, Delftdijk, Rotterdam
CORKS—50 sks, Mundet Cork Corp, Delftdijk, Rotterdam
MOLASSES — 1,205 tons, Makiki, Hilo

Tampa Imports

CASTOR MEAL — 1,384 bgs, Alberta, Yugoslavia
COCONUTS — 7,500, General Tosta, Belize
FERTILIZER, NITROGENOUS — 2,380 bgs, Alberta, Hungary
TOILET PREPS—4 ctns, Cuba, Havana

Exports from U.S. Ports

New York Exports

Clearance Dates

American Banker, March 18; American Farmer, March 11; American Importer, March 18; Andania, March 24; Anita, March 25; Aquitania, March 25; Artigas, March 25; Ary Lensen, March 25; Asakasan, March 28; Barbarigo, March 2; Bassano, March 18; Black Eagle, March 19; Black Hawk, March 25; Black Tern, March 15; Boston City, March 24; Cacique, March 23; Caledonia, March 29; Calliope, March 28; Cameronia, March 18; Canadian, March 23; Chiriqui, March 23; City of Derby, March 22; Coamo, March 24; Columbus, March 25; Cristobal, March 22; Deutschland, March 23; Europa, March 18; Exminster, March 25; Exmoor, March 29; Exochorda, March 29; Fernhill, March 24; Fort Amherst, March 25; Gerolstein, March 25; Gripsholm, March 25; Hanseat, March 31; Hektor, March 19; Independence Hall, March 29; Jamaica, March 24; Kattegat, March 23; Kolsnaren, March 18; Kunikawa, March 31; Limon, March 23; Maasdam, March 11; Macabi, March 21; Manhattan, Mormacsea, March 25; Nako, March 28; Nordhavet, March 23; Northern Prince, March 18; Oriente, March 23; Pastores, March 12; Platano, March 18; Queen Mary, March 22; Quirigua, March 19; Ravnaas, March 25; Rex, March 25; Samaria, March 11; San Jacinto, March 26; San Jose, March 14; Santa Elena, March 25; Scythia, March 25; Spaarndam, March 21; St Louis, March 30; Stavangerfjord, March 15; Svaneholm, Tiradentes, March 25; Tivives, March 9; Tugela, March 25; Vulcania, March 18; Wave, March 22; West Humhaw, March 24; Westernland, March 18

ACETIC ANHYDRIDE—28,567 lbs, Black Tern, Antwerp
ACETONE—(Mormacsea) 32,706 lbs, Norrkoeping; 2,891 lbs, Helsingfors; 5,776 lbs, Stavangerfjord, Oslo
ACID, MURIATIC—(San Jacinto) 63,938 lbs, Ponce; 14,400 lbs, Arecibo; 37,000 lbs, Macabi, Banes; 1,880 lbs, San Jose, Santiago; 33,300 lbs, Platano, Tela; 3,700 lbs, Chiriqui, Kingston
NITRIC—6,390 lbs, San Jose, Santiago
SUCCINIC—163 lbs, American Farmer, London
SULPHURIC—3,852 lbs, Coamo, Ciudad; 3,036 lbs, Platano, Porto Barrios; 6,750 lbs, Cristobal, Cristobal
VANADIC—6,094 lbs, Manhattan, Havre
ALCOHOL—2,035 gls, Nako, Yokohama
BUTYL—1,650 gls, Black Hawk, Antwerp; 495 gls, Deutschland, Hamburg
DENATURED—3,575 gls, Chiriqui, Kingston
ALUMINA SULPHATE—5,136 lbs, Ravnaas, Buenos Aires
AMMONIA, ANHYDR—7,778 lbs, Santa Elena, La Guaira
ASPHALT—38,341 lbs, Black Eagle, Rotterdam; 4,894 lbs, American Banker, London; 4,523 lbs, Artigas, Manchester; 39,741 lbs, St Louis, Hamburg
LIQUID—11,100 lbs, American Importer, Manchester; 154,277 lbs, Independence Hall, Havre; 11,139 lbs, Caledonia, Glasgow; 45,675 lbs, Exochorda, Marseilles
SOLID—52,571 lbs, Scythia, Cobh; 52,037 lbs, Samaria, Liverpool
BABASSU MEAL—339,360 lbs, Spaarndam, Rotterdam
BENZOL—1,100 gls, Hektor, Buenos Aires
BLACK, BONE—12,960 lbs, American Banker, London
BLANC FIXE—1,870 lbs, Scythia, Cobh
BLUE, ALKALI BASE—14,483 lbs, Andania, London
VITRIOL—2,375,506 lbs, Macabi, Tela
VITRIOL CRYSTALS—452,250 lbs, Macabi, Porto Barrios
VITRIOL, GRANULAR—38,584 lbs, Chiriqui, Kingston
BONE ASH—36,629 lbs, Black Tern, Antwerp
BUTYL ACETATE—7,497 lbs, Black Hawk, Rotterdam
CALCIUM ARSENATE—182,400 lbs, Pastores, Buenaventura
CARBIDE—37,100 lbs, Macabi, Banes
HYDRATED—20,400 lbs, Jamaica, Cartagena
CARBON BISULPHIDE—6,551 lbs, Tivives, Panama City
CHEMICALS—54,400 lbs, American Importer, Liverpool; 5,178 lbs, Stavangerfjord, Oslo; 2,544 lbs, Exminster, Piraeus; 657 lbs, Svaneholm, Stockholm; 4,168 lbs, Andania, London; 14,593 lbs, Black Tern, Rotterdam; 2,970 lbs, Maasdam, Rotterdam; 6,310 lbs, Kolsnaren, Stockholm; 70,548 lbs, American Farmer, London; 3,646 lbs, Anita, Rio de Janeiro; 5,682 lbs, Manhattan, Havre; 26,638 lbs, Independence Hall, Havre; 10,576 lbs, Sanyo, Kobe
CLAY—35,536 lbs, Spaarndam, Cologne; 11,200 lbs, Kolsnaren, Helsingfors; 20,400 lbs, American Banker, London; 22,400 lbs, St Louis, Hamburg
COALTAR INTERMEDIATES—9,697 lbs, Mormacsea, Gdynia
CORN, FLOUR—100 lbs, Pastores, Porto Barrios; 510 lbs, Platano, Porto Cortes; 805 lbs, Fort Amherst, St Johns; 2,556 lbs, Limon, Limon
SUGAR—4,060 lbs, Spaarndam, Rotterdam; 10,150 lbs, Samaria, Liverpool; 2,233 lbs, Independence Hall, Dunkirk; 36,744 lbs, Black Hawk, Antwerp
SUGAR, ANHYDR — 20,300 lbs, Andania, London
SYRUP—12,897 lbs, Mormacsea, Stockholm; 12,918 lbs, Kolsnaren, Stockholm; 3,344 lbs, Platano, Porto Barrios; 1,449 lbs, Quirigua, Havana; 3,750 lbs, Santa Elena, La Guaira; 23,015 lbs, Westernland, Antwerp, 23,081 lbs, Black Hawk, Antwerp
DEXTRIN—2,840 lbs, Stavangerfjord, Oslo
DIMETHYLANILIN — 1,490 lbs, Black Tern, Antwerp
DISENFECTANT, COALTAR—(Platano) 2,106 lbs, Porto Cortes; 2,220 lbs, Porto Barrios
DRUGS—7,279 lbs, American Farmer, London
DYES — 4,393 lbs, Black Eagle, Rotterdam; 4,799 lbs, Maasdam, Rotterdam; 2,375 lbs, Deutschland, Hamburg; 1,440 lbs, Hektor, Buenos Aires; 12,804 lbs, Black Hawk, Antwerp
ANILIN—615 lbs, Svaneholm, Norrkoeping; (Mormacsea) 315 lbs, Helsingfors; 1,315 lbs, Gothenburg
DYEWOOD EXTRACT—9,198 lbs, American Importer, Liverpool
ETHYLENE BROMIDE, DI—1,256 lbs, Cameronia, Glasgow
FLOTATION REAGENT—16,425 lbs, St Louis, Santander
FULLER'S EARTH—20,000 lbs, Spaarndam, Rotterdam
GASOLINE, AVIATION — 165,000 gls, Nako, Yokohama
GELTIN—12,550 lbs, American Farmer, London
POWDER—250 lbs, Black Tern, Rotterdam
GLASS, WINDOW—6,117 lbs, Tivives, Santiago
GLUCOSE—11,144 lbs, Artigas, Manchester
GLUE—7,132 lbs, Artigas, Manchester
ANIMAL—2,020 lbs, Quirigua, Havana
PRESERVER—6,300 lbs, American Farmer, London
VEGETABLE—345 lbs, Maasdam, Rotterdam
GLYCERIN—1,261 lbs, Platano, Porto Cortes; 2,464 lbs, Chiriqui, Porto Colombia
GRAPHITE, POWD — 35,674 lbs, Columbus, Bremen
GREASE, LUBRICATING — (Exminster) 4,554 lbs, Piraeus; 2,182 lbs, Salonica; 1,320 lbs, Istanbul; 2,460 lbs, Svaneholm, Stockholm; 79,977 lbs, Rex, Genoa; 109,442 lbs, Andania, London; 1,620 lbs, San Jose, Limon; (Barbarigo) 26,350 lbs, Genoa; 36,351 lbs, Fiume; (Mormacsea) 1,426 lbs, Gothenburg; 3,927 lbs, Prague; 4,365 lbs, Stockholm; 139,600 lbs, City of Derby, Manila; 5,555 lbs, Samaria, Liverpool; 662 lbs, Maasdam, Amsterdam; 8,874 lbs, Kolsnaren, Helsingfors; (Bassano) 26,093 lbs, Hull; 6,435 lbs, Newcastle; 2,598 lbs, Platano, Tela; 3,720 lbs, Quirigua, Havana; 13,005 lbs, American Farmer, London; (West Humhaw) 1,350 lbs, Dakar; 1,731 lbs, Port Bouet; 8,020 lbs, Duala; 1,990 lbs, Anita, Montevideo; 5,000 lbs, Manhattan, Asniers; 15,480 lbs, Gerolstein, Brussels; (Independence Hall) 47,443 lbs, Havre; 28,457 lbs, Dunkirk; 57,117 lbs, Deutschland, Hamburg; 16,221 lbs, Sanyo, Moji; 851 lbs, Hektor, Buenos Aires; (Nako) 64,441 lbs, Yokohama; 2,263 lbs, Moji; 2,817 lbs, Dairen; 32,872 lbs, Kobe; (Artigas) 73,460 lbs, Manchester; 5,502 lbs, Dublin; 14,088 lbs, Oslo; 8,016 lbs, Hanseat, Rotterdam-Hamburg; 98,960 lbs, St Louis, Hamburg; 737 lbs, Caledonia, Glasgow; 2,240 lbs, Exmoor, Algiers; (Exochorda) 16,823 lbs, Marseilles; 884 lbs, Oran; 2,320 lbs, Gripsholm, Gothenburg; 12,186 lbs, Chiriqui, Belize; (Nordhavet) 21,306 lbs, Leixoes; 1,755 lbs, Lisbon; 6,826 lbs, Haiphong; (American Importer) 48,100 lbs, Liverpool; 4,860 lbs, Manchester; 37,169 lbs, Scythia, Liverpool
INK, PRINTING — 5,299 lbs, Hektor, Santos
INSECTICIDE, AGRIC — 2,320 lbs, Svaneholm, Malmo; 22,400 lbs, San Jose, Buenaventura; 4,720 lbs, Maasdam, Rotterdam; 9,978 lbs, Deutschland, Istanbul
HOUSEHOLD — (Exminster) 4,624 lbs, Piraeus; 5,162 lbs, Salonica; 9,168 lbs, Tunis; 63,472 lbs, Andania, London; 35,079 lbs, Samaria, Liverpool; 18,455 lbs, Black Eagle, Amsterdam; 17,490 lbs, Artigas, Manchester; 33,142 lbs, American Importer, Manchester
IRON OXIDE — 12,482 lbs, Tiradentes, Amsterdam; 14,140 lbs, American Farmer, London
ISOPROPYL ETHER—2,310 lbs, Black Hawk, Antwerp
LACQUER — 4,288 lbs, Stavangerfjord, Oslo; 896 lbs, Black Hawk, Antwerp
BASE—2,520 lbs, St Louis, Hamburg
THINNER — 550 gls, Kattegat, Port Elizabeth
LARD—6,350 lbs, Aquitania, Southampton; 20,063 lbs, Macabi, Banes; 63,000 lbs, Andania, London; 4,150 lbs, Queen Mary, Southampton; 167,024 lbs, Samaria, Liverpool; (Boston City) 166,400 lbs, Cardiff; 130,650 lbs, Bristol; 3,506,307 lbs, Bassano, Hull; 6,700 lbs, Cameronia, Glasgow; 50,725 lbs, American Banker, London; (Quirigua) 9,638 lbs, Caimanera; 10,500 lbs, Havana; 199,122 lbs, American Farmer, London; 24,800 lbs, Deutschland, Hamburg; (Artigas) 25,400 lbs, Manchester; 19,395 lbs, Liverpool-Manchester; 142,380 lbs, St Louis, Hamburg; 23,888 lbs, Caledonia, Glasgow; 4,000 lbs, San Jacinto, Arroyo; 145,769 lbs, American Importer, Liverpool; (Westernland) 54,931 lbs, Southampton; 13,680 lbs, Antwerp; 38,400 lbs, Scythia, Liverpool
LEAD, BLUE SUBLIMED—4,732 lbs, Gripsholm, Gothenburg
TITANATE—23,743 lbs, Black Eagle, Rotterdam
LICORICE EXTRACT—1,530 lbs, Ravnaas, Buenos Aires
LINOLEUM PASTE—16,520 lbs, Cameronia, Glasgow
LINSEED CAKE—1,872,071 lbs, Tiradentes, Rotterdam; 2,985,679 lbs, Black Tern, Antwerp; 905,173 lbs, Spaarndam, Rotterdam; 1,626,400 lbs, Black Eagle, Rotterdam; 225,425 lbs, Scythia, Liverpool; (Black Hawk) 3,673,009 lbs, Antwerp; 451,123 lbs, Rotterdam
MAGNESIA, METALLIC—223,625 lbs, Asakasan, Kobe
METHANOL—330 gls, Stavangerfjord, Oslo
MOLYBDENUM CONCE—101,391 lbs, Manhattan, Hamburg
NAPHTHA—(West Humhaw) 440 gls, Dakar; 20,715 gls, Port Bouet; 7,500 gls, Assinie; 500 gls, Saltpond; 5,500 gls, Keta; 500 gls, Lome; 5,500 gls, Anapa; 2,750 gls, Anita, Buenos Aires; 2,750 gls, Tugela, Buenos Aires
OIL, BRIGHT STOCK—218,148 gls, Dordrecht, London
CASTOR—2,990 lbs, Westernland, Antwerp
CEDARLEAF—673 lbs, Deutschland, Hamburg
CITRONELLA—738 lbs, Chiriqui, Kingston
COCONUT—2,350 lbs, Limon, Limon
CORN—22,313 lbs, San Jacinto, San Juan
CYLINDER—61,992 gls, Calliope, Rio Janeiro-Santos; (Hanseat) 536,676 gls, Rotterdam-Hamburg; 224,440 gls, Hamburg; 420,000 gls, Dordrecht, London
EDIBLE—1,050 lbs, Pastores, Porto Barrios; 3,750 lbs, Tivives, Limon; 3,605 lbs, Platano, Porto Barrios; 11,413 lbs, San Jacinto, San Juan
ESSENTIAL—900 lbs, American Farmer, London; 1,018 lbs, Deutschland, Hamburg
OIL, GAS—(West Humhaw) 1,650 gls, Freetown; 12,650 gls, Port Bouet; 8,250 gls, Keta; 3,850 gls, Lome
LONG BURNING—70,938 gls, Hanseat, London
LUBRICATING — 693,840 gls, Dordrecht, London; (Nordhavet) 4,218 gls, Leixoes; 2,520 gls, Lisbon; 2,200 gls, Casablanca; 3,300 gls, Haiphong; 1,825 gls, Algiers; 2,064 gls, Tunis; 1,100 gls, Philippeville; 825 gls, Bone; 8,040 gls, American Importer, Manchester; (Westernland) 1,260 gls, Brussels; 48,680 gls, Antwerp; 5,335 gls, Scythia, Liverpool; (Black Hawk) 2,514 gls, Antwerp; 1,100 gls, Rotterdam; 17,600 gls, Ravnaas, Santos; 1,375 gls, Jamaica, Cartagena; (Exminster) 3,300 gls, Tunis; 440 gls, Piraeus; 3,500 gls, Istanbul; 1,550 gls, Bourgas; 2,970 gls, Constanza; 3,685 gls, Pastores, Porto Barrios; (Svaneholm) 1,430 gls, Gothenburg; 4,015 gls, Malmo; 6,425 gls, Stockholm; 11,500 gls, Tiradentes, Rotterdam; 2,715 gls, Cacique, Maracaibo; 1,980 gls, Macabi, Banes; 27,720 gls, Rex, Genoa; 880 gls, Black Tern, Antwerp; 715 gls, Andania, London; 3,025 gls, San Jose, Limon; 2,420 gls, Oriente, Havana; 8,400 gls, Spaarndam, Rotterdam; (Barbarigo) 36,414 gls, Genoa; 504 gls, Naples; 3,522 gls, Trieste; 10,060 gls, Fiume; (Mormacsea) 2,135 gls, Gothenburg; 2,520 gls, Landskrona; 9,000 gls, Prague; 3,575 gls, Stockholm; 4,675 gls, Helsingfors; 420 gls, Abo; 11,000 gls, City of Derby, Dairen; 10,345 gls, Samaria, Liverpool; 2,410 gls, Maasdam, Rotterdam; (Kolsnaren) 1,100 gls, Stockholm; 880 gls, Helsingfors; (Black Eagle) 17,460 gls, Rotterdam; 2,100 gls, Amsterdam; (Vulcania) 3,025 gls, Naples; 21,794 gls, Trieste; 6,090 gls, Boston City, Cardiff; (Bassano) 840 gls, Hull; 550 gls, Newcastle; 6,094 gls, Cameronia, Glasgow; 825 gls, Northern Prince, Rio Janeiro; 15,375 gls, American Banker, London; 8,525 gls, Platano, Tela; 7,910 gls, Quirigua, Havana; 13,700 gls, American Farmer, London; (West Humhaw) 2,680 gls, Port Bouet; 550 gls, Grand Bassam; 1,100 gls, Assinie; 3,220 gls, Lome; 5,350 gls, Lagos; 5,830 gls, Port Harcourt; 1,100 gls, Calabar; 3,035 gls, Duala; 3,025 gls, Anita, Montevideo; (Tugela) 52,225 gls, Rio de Janeiro; 1,260 gls, Santos; 2,154 gls, Porto Alegre; (Manhattan) 1,100 gls, Havre; 4,296 gls, Hamburg; (Gerolstein) 1,735 gls, Rotterdam; 840 gls, Brussels; (Independence Hall) 10,090 gls, Havre; 2,865 gls, Dunkirk; 40,490 gls, Deutschland, Hamburg; 6,875 gls, Kunikawa, Kobe; (Sanyo) 2,975 gls, Yokohama; 32,045 gls, Osaka; (Ary Lensen) 550 gls, St Kitts; 1,650 gls, Point Pitre; 1,100 gls, Trinidad; (Canadian) 3,145 gls, Buenaventura; 2,050 gls, Fisco; (Santa Elena) 6,890 gls, Porto Cabello; 8,725 gls, La Guaira; (Hektor) 2,750 gls, Santos; 13,200 gls, Buenos Aires; (Nako) 61,808 gls, Yokohama; 6,050 gls, Moji; 13,475 gls, Dairen; 74,250 gls, Kobe; 932 gls, Artigas, Manchester; (Stavangerfjord) 2,310 gls, Bergen; 1,050 gls, Aalesund; 58,700 gls, Oslo; (Hanseat) 62,790 gls, Rotterdam; 1,263,276 gls, Rotterdam-Hamburg; 168,546 gls, Hamburg; 54,728 gls, St Louis, Hamburg; 4,730 gls, Cristobal, Buenaventura; 4,242 gls, Caledonia, Glasgow; (Exmoor) 1,100 gls, Casablanca; 1,980 gls, Algiers; 1,675 gls, Fort Amherst, Halifax; (Exochorda) 12,560 gls, Marseilles; 935 gls, Philippeville; 1,205 gls, Alexandria; 1,925 gls, Beirut; 1,650 gls, Haifa; 203,500 gls, Asakasan, Yokohama; (Gripsholm) 1,100 gls, Gothenburg; 3,355 gls, Malmo; 1,100 gls, Chiriqui, Belize; 2,575 gls, Limon, Colon
MOTOR—60,354 gls, Dordrecht, London
NEATSFOOT—2,300 lbs, Stavangerfjord, Bergen
OLEO — 47,054 lbs, Spaarndam, Rotterdam; 6,466 lbs, Samaria, Liverpool; 76,948 lbs, Maasdam, Rotterdam; 19,153 lbs, Black Eagle, Rotterdam; 10,691 lbs, Cameronia, Glasgow; 48,827 lbs, Caledonia, Glasgow; 9,246 lbs, American Importer, Liverpool; 9,264 lbs, Scythia, Liverpool; 70,392 lbs, Black Hawk, Antwerp
PALE—193,890 gls, Calliope, Rio de Janeiro-Santos; 298,654 gls, Barbarigo, Genoa
PEPPERMINT—2,043 lbs, American Banker, London; 400 lbs, Caledonia, Glasgow
PINE—7,602 lbs, Stavangerfjord, Flekkefjord
RED—2,671 lbs, Stavangerfjord, Egersund
SPINDLE—150,654 gls, Hanseat, Hamburg; 126,294 gls, Dordrecht, London
STONE—840 gls, Mormacsea, Copenhagen
TUNG—2,678 lbs, Anita, Santos
WORMSEED—269 lbs, Deutschland, Hamburg
OILCAKE — 223,943 lbs, Independence Hall, Havre
PAINT — 74,495 lbs, Black Tern, Antwerp; 5,826 lbs, San Jose, Buenaventura; 12,485 lbs, Barbarigo, Trieste; 3,564 lbs, Maasdam, Rotterdam; (Kolsnaren) 3,219 lbs, Varberg; 37,106 lbs, Stockholm; 3,117 lbs, Black Eagle, Amsterdam; 5,524 lbs, American Banker, London; 2,366 lbs, Platano, Porto Cortes; 14,461 lbs, Chiriqui, Porto Colombia
PASTE—2,800 lbs, Mormacsea, Helsingfors
THINNER—1,925 gls, Hektor, Buenos Aires; 3,300 gls, Nordhavet, Oporto; 7,700 gls, Ravnaas
PARAFFIN—20,201 lbs, Pastores, Guatemala City; 107,057 lbs, Tivives, Limon; 53,665 lbs, Kattegat, Port Elizabeth; 113,212 lbs, Andania, London; 11,196 lbs, San Jose, Buenaventura; 11,122 lbs, Spaarndam, Rotterdam; (Barbarigo) 32,798 lbs, Genoa; 11,100 lbs, Fiume; (Mormacsea) 5,561 lbs, Stockholm; 11,306 lbs, Helsingfors; 34,030 lbs, Samaria, Liverpool; 4,449 lbs, Maasdam, Rotterdam; 11,122 lbs, Black Eagle, Rotterdam; (Platano) 25,252 lbs, Retalheu; 50,502 lbs, Porto Barrios; 10,104 lbs, Quirigua, Cienfuegos; 113,212 lbs, American Farmer, London; 4,097 lbs, Anita, Santos; 6,010 lbs, Tugela, Rio de Janeiro; 22,244 lbs, Gerolstein, Rotterdam; 33,300 lbs, Deutschland, Hamburg; 22,200 lbs, Independence Hall, Havre; 148,743 lbs, Sanyo, Osaka; 22,252 lbs, Santa Elena, Porto Colombia; (Nako) 6,255 lbs, Kobe; 21,698 lbs, Yokohama; 22,503 lbs, Stavangerfjord, Trondhjem; 75,082 lbs, St Louis, Hamburg; 22,244 lbs, Cristobal, Buenaventura; 11,285 lbs, Gripsholm, Gothenburg; 84,891 lbs, Limon, Limon; 22,408 lbs, Nordhavet, Leixoes; (American Importer) 61,265 lbs, Liverpool; 60,947 lbs, Manchester; 2,224 lbs, Antwerp; 45,200 lbs, Jamaica, Porto Colombia
SCALE—129,886 lbs, Tiradentes, Amsterdam; 24,838 lbs, Svaneholm, Stugsund; 11,191 lbs, Spaarndam, Amsterdam; 8,728 lbs, Maasdam, Amsterdam; 24,539 lbs, Gerolstein, Rotterdam; 61,213 lbs, Caledonia, Glasgow
PETROLEUM COMP—31,768 lbs, Mormacsea, Malmo
REFINED—(West Humhaw) 6,000 gls, Dakar; 8,750 gls, Port Bouet; 550 gls, Grand Bassam; 12,500 gls, Assinie; 6,000 gls, Saltpond; 10,000 gls, Keta
PHENOL—600,808 lbs, Asakasan, Yokohama
POLISHING COMP — 36,125 lbs, Samaria, Liverpool
POTASH, BICHROMATE—12,302 lbs, Mormacsea, Abo
PROPANE—97,914 lbs, Barbarigo, Genoa
RESIN — 2,582 lbs, Mormacsea, Stockholm; 17,594 lbs, American Banker, London; 17,056 lbs, American Farmer, London
COALTAR—2,223 lbs, Svaneholm, Halmstad

RESIN, SYNTHETIC—20,153 lbs, American Importer, Liverpool; 2,423 lbs, Black Hawk, Amsterdam
SYNTHETIC, CRYST—11,295 lbs, Samaria, Liverpool
ROSIN—1,209 lbs, Maasdam, Rotterdam; 2,162 lbs, Kolsnaren, Gothenburg; 14,016 lbs, American Banker, London; 7,076 lbs, Black Hawk, Antwerp
SOAP—5,875 lbs, Mormacsea, Helsingfors; (San Jacinto) 5,600 lbs, Ponce; 5,600 lbs, Mayaguez; 10,401 lbs, Arecibo
POWDER—13,713 lbs, Manhattan, Hamburg; 2,760 lbs, Stavangerfjord, Oslo
TOILET — 2,500 lbs, Mormacsea, Stockholm; 34,000 lbs, Stavangerfjord, Oslo
SODA, ASH — 3,240 lbs, Tivives, Santiago; (Wave) 67,032 lbs, Santos; 13,470 lbs, Montevideo; 4,466 lbs, San Jose, Buenaventura; 8,600 lbs, Spaarndam, Rotterdam; (Tugela) 22,356 lbs, Rio Grande; 3,537 lbs, Coamo, San Juan
BICARBONATE—10,100 lbs, Platano, Porto Barrios; 3,510 lbs, Cristobal, Buenaventura; 6,380 lbs, Limon, Santiago; 2,992 lbs, Ravnaas, Buenos Aires
CAUSTIC—(Tivives) 3,590 lbs, Santiago; 7,200 lbs, Limon; 2,450 lbs, Samaria, Liverpool; 7,200 lbs, Platano, Porto Cortes; (Quirigua) 71,800 lbs, Havana; 7,180 lbs, Amapala; (Anita) 29,053 lbs, Rio de Janeiro; 82,880 lbs, Buenos Aires; 4,320 lbs, Sanyo, Yokohama; 363,677 lbs, Hektor, Santos; 36,000 lbs, Cristobal, Mazatlan; 36,000 lbs, Jamaica, Cartagena
PHOSPHATE—23,881 lbs, Artigas, Dublin
PHOSPHATE TRI—44,885 lbs, Boston City, Bristol
SAL—15,000 lbs, San Jose, Ciudad
SILICATE—14,450 lbs, American Farmer, London; 11,844 lbs, Nako, Moji; 21,771 lbs, San Jacinto, San Juan
SOLVENTS—4,133 lbs, American Banker, London
SOYBEAN MEAL—150,520 lbs, Gerolstein, Rotterdam
STARCH—7,000 lbs, Ary Lensen, St Croix
CORN—12,700 lbs, Andania, London; 2,700 lbs, Maasdam, Rotterdam; (Kolsnaren) 5,640 lbs, Gothenburg; 3,050 lbs, Stockholm; (Quirigua) 1,000 lbs, Guantanamo; 3,500 lbs, Havana; 6,660 lbs, Manhattan, Havre; 1,150 lbs, Fort Amherst, St Johns; 672 lbs, Chiriqui, Belize; 600 lbs, San Jacinto, San Juan; 3,443 lbs, Coamo, Ciudad
STEARIN, OLEO—35,607 lbs, Maasdam, Rotterdam
TALC—67,200 lbs, American Farmer, London; 45,310 lbs, American Importer, Liverpool; 44,800 lbs, Scythia, Liverpool
TALLOW—44,427 lbs, Vulcania, Naples
TANNING EXTRACT—19,510 lbs, Boston City, Bristol
MATERIAL—15,477 lbs, Anita, Montevideo
TERPINHYDRATE — 1,259 lbs, Deutschland, Hamburg
TITANIUM LITHOPONE—21,500 lbs, American Importer, Manchester
TURPENTINE—550 gls, San Jose, Mollendo
UREA—22,680 lbs, American Importer, Manchester
VARNISH—2,043 lbs, Chiriqui, Porto Colombia
WITCH HAZEL EXTRACT — 29,082 lbs, Andania, London; 20,650 lbs, American Banker, London
ZINC CHLORIDE—11,371 lbs, Hektor, Buenos Aires
OXIDE—4,144 lbs, Samaria, Liverpool; 1,140 lbs, Vulcania, Lisbon; 17,155 lbs, Manhattan, Havre
STEARATE—1,500 lbs, Quirigua, Havana

Baltimore Exports
Clearance Dates

City of Norfolk, March 31; Hammaren, April 2; Lossiebank, April 1; Oriskany, April 4; San Vincente, April 6; Sheaf Crown, April 4; Waukegan, April 2

ACID, CHROMIC—22,400 lbs, Waukegan, Manchester
ASPHALT, PETROLEUM—3 tons, City of Norfolk, Bilbao
CEMENT, ROOF—500 lbs, Hammaren, Bergen
CHALK, PRECIP—44,800 lbs, City of Norfolk, London; 44,800 lbs, Waukegan, Manchester
COLOR, YELLOW, DRY—3,040 lbs, Lossiebank, Manila
CORNFLOUR—14,000 lbs, Waukegan, Liverpool
DEXTRIN—60,200 lbs, Waukegan, Manchester
FIRECLAY DUST—10 tons, San Vincente, Cristobal
GREASE, LUBRICATING—(Hammaren) 3,883 lbs, Malmo; 3,893 lbs, Gothenburg; 3,885 lbs, Stockholm; (San Vincente) 2,345 lbs, Panama; 3,250 lbs, Corinto; 5,152 lbs, Valparaiso; 300 lbs, Antofagasta
INSECTICIDE—854 lbs, Lossiebank, Bangkok
LINSEED MEAL—25 tons, Waukegan, Belfast
MERCUROCHROME POWDER—8,000 grams, City of Norfolk, Havre
OIL, LUBRICATING—(City of Norfolk) 161 bbls, London; 2,585 gls, Havre; 457 bbls, Praha
PAINT, PREPARED—20 gls, City of Norfolk, Oslo
PARAFFIN—21,064 lbs, Lossiebank, Hongkong; 4,537 lbs, City of Norfolk, Havre
POLISH—10,000 lbs, City of Norfolk, Havre
SHOE—1,167 lbs, City of Norfolk, Morges
POTASH NITRATE—100 tons, Oriskany, St Marc
SODA ALUMINATE—49,276 lbs, City of Norfolk, London
BICHROMATE—22,400 lbs, Waukegan, Manchester
STARCH, CORN—60,440 lbs, Waukegan, Glasgow

Beaumont Exports
Clearance Date

Giorgio, March 29

PETROLEUM, CRUDE—48,000 bbls, Giorgio, Venice

Boston Exports
Clearance Dates

American Farmer, April 4; Bilderdijk, April 8; Carinthia, April 3; Darien, April 11; Hokkai, April 5; Iriona, April 1; Lady Hawkins, April 9; Pipestone County, April 1; Saturnia, April 10; Yarmouth, April 2, 7

ALUMINA OXIDE—124 bgs, 12,400 lbs, Pipestone County, La Courneuve
BLUE, LAUNDRY—2 cs, 120 lbs, Yarmouth, Halifax
CEMENT, CAN—1,040 lbs, Hokkai Maru, Yokohama
ELASTIC—10 pkgs, 450 lbs, Yarmouth, St John, N B
COCOA CAKE—1,385 bgs, 196,930 lbs, Bilderdijk, Rotterdam
DISINFECTANT—1 bbl, 50 gls, Yarmouth, Yarmouth
DRESSING, SHOE—31 cs, 186 gls, Iriona, Havana
DRILLING COMP—2 bbls, 474 lbs, Iriona, Havana
FERTILIZER, LEATHER SCRAP—301 bls, 189,941 lbs, Pipestone County, Havre
FLUX—6 drms, 810 lbs, Iriona, Havana; 20 drms, 2,700 lbs, Bilderdijk, Rotterdam
GLUE—1 half bbl, 385 lbs, Yarmouth, Halifax
INK, DRAWING—1 ctn, 30 lbs, Yarmouth, St John, N B
PRINTING—50 pls, 6 cs, 4 bbls, 3,350 lbs, Iriona, Havana
WRITING—4 crtns, 68 lbs, Yarmouth, St John, N B
INSECTICIDE—4 drms, 2,102 lbs, Iriona, Havana; 20 drms, 1,000 lbs, Yarmouth, Port Williams, N S
LARD—700 bxs, 19,600 lbs, Carinthia, Liverpool; 750 bxs, 30 trcs, 32,325 lbs, American Farmer, London
LINING COMP—(Pipestone County) 19 drms, 9,093 lbs, Havre; 129 drms, 60,519 lbs, Nantes, France
MEDICINAL PREPS—338 bxs, 1,690 lbs, American Farmer, London
MICA SPLITTINGS—25 cs, 2,500 lbs, American Farmer, London
OIL, LUBRICATING—3 drms, 1,318 lbs, Lady Hawkins, Hamilton, Bermuda
WATCH—3 bxs, 47 lbs, American Farmer, London
PAINT, ASPHALT—1 drm, 292 lbs, Yarmouth, St John, N B
POLISH, SHOE—2 cs, 2 crtns, Iriona, Havana; 4 bxs, 191 lbs, Yarmouth, Charlottetown
STOVE—5 drms, 475 lbs, Bilderdijk, Rotterdam
PYRETHRUM POWDER—22 bgs, 2,200 lbs, Yarmouth, St John, N B
ROSIN—4 drms, 1,600 lbs, Saturnia, Haifa
SOAP FLAKE—6 cs, 200 lbs, Iriona, Havana
TAR—9 cs, 225 lbs, Iriona, Havana; 5 cs, 125 lbs, Darien, Fort de Lesseps, C Z
TOILET—7 cs, 170 lbs, Iriona, Havana; 5 cs, 121 lbs, Darien, Fort de Lesseps, C Z
SODA, BENZOATE—2 bbls, 406 lbs, Yarmouth, Lockeport, N S
STEARIN, VEGETABLE—10 bxs, 560 lbs, Yarmouth, Halifax
SULPHUR FLOUR—400 bgs, 40,000 lbs, Yarmouth, Aylesford, N S
TANNING EXTRACT—3 jugs, 3 gls, American Farmer, London; 1 kg, 200 lbs, Saturnia, Haifa
TURPENTINE, GUM—(Yarmouth) 10 drms, 520 gls, Moncton, N B; 15 drms, 760 gls, St John, N B; 5 drms, 255 gls, Halifax, N S; 1 bbl, 51 gls, Yarmouth
WAX, SHOE—1 cs, 77 lbs, Iriona, Havana

Corpus Christi Exports
Clearance Dates

Argus, March 27; Katy, March 29; Mittelmeer, March 24; Omphale, March 27; President Sergent, March 30; Trottiera, March 26

OIL, FUEL—14,058 bbls, Trottiera, Foreign; 40,208 bbls, Argus, Foreign
GAS—69,330 bbls, Mittelmeer, Foreign
PETROLEUM, CRUDE—31,064 bbls, Omphale, Foreign; 59,633 bbls, Argus, Foreign; 72,184 bbls, Katy, Foreign; 48,866 bbls, President Sergent, Foreign

Galveston Exports
Clearance Dates

Cripple Creek, March 31; Lagaholm, April 5; Ruth Lykes, March 31; Snestad, March 30; Taurus, March 30; West Quechee, April 4

BLACK, CARBON—500 cs, Taurus, Gothenburg; 11 tons, Cripple Creek, Havre
CONCENTRATES — (West Quechee) 70 tons, Liverpool; 4 tons, Manchester
COTTONSEED MEAL—111 tons, Taurus, Oslo
FOOD CURING COMP—1 bbl, Ruth Lykes, Havana
GILSONITE—2 tons, Cripple Creek, Havre
PAINT—33 cs, Taurus, Oslo
PETROLEUM, CRUDE — 30 drms, Snestad, Yokohama
SULPHUR—(Taurus) 4 tons, Gothenburg; 36 tons, Copenhagen; 588 tons, Norrkoping; 2,300 tons, West Quechee, Manchester; (Lagaholm) 10 tons, Gothenburg; 10 tons, Copenhagen

Houston Exports
Clearance Dates

Athelsultan, April 5; Blommersdijk, April 4; Clara, April 1; Cripple Creek, April 1; Elmsport, April 1; Lagaholm, April 5; Olterra, April 5; San Alvaro, April 5; Taurus, March 30; Vimeira, April 2; Voreda, March 31; West Quechee, April 1
ASPHALT—6 drms, Taurus, Oslo

BLACK, CARBON — (Taurus) 150 cs, Gothenburg; 50 cs, Copenhagen; 1,540 bgs, 10 cs, Gdynia; (West Quechee) 3,300 bgs, Liverpool; 6,200 bgs, 35 cs, Manchester; (Cripple Creek) 442 cs, 2,300 bgs, Havre; 270 cs, 2,300 bgs, Antwerp; 440 bgs, Rotterdam; 172 cs, Elmsport, Piraeus; (Clara) 3,787 bgs, Trieste; 141 cs, Susak, Trieste; (Blommersdijk) 203 tons, London; 30 tons, Antwerp; 150 tons, Rotterdam
CLAY — 700 bgs, West Quechee, Liverpool
COTTONSEED MEAL—60 tons, Cripple Creek, Antwerp
GASOLINE — 10,000 tons, Voreda, United Kingdom via Lands End; 5,500 tons, Vimeira, Havre; 10,000 tons, San Alvaro, Murial
GREASE, LUBRICATING — 50 drms, West Quechee, Liverpool
LUBRICANTS — (Taurus) 300 pkgs, Oslo; 80 drms, Gothenburg; 106 pkgs, Copenhagen
OIL, GAS — 450 tons, Lagaholm, Malmo
LUBRICATING — 20 drms, Taurus, Copenhagen; 25 drms, West Quechee, Liverpool; 700 tons, Clara, Puerto Margherita-Trieste
PETROLEUM, CRUDE — 7,300 tons, Olterra, Trieste; 13,000 tons, Athelsultan, Havre
SULPHUR—30 tons, Taurus, Copenhagen

Lake Charles Exports
Clearance Date

Thelmo, March 30

PETROLEUM, CRUDE — 20,890 bbls, Thelmo, Trieste

Los Angeles Exports
Clearance Dates

Albertolite, March 31; Baldhill, March 28; Capac, March 25; Delftdyk, March 26; Edward F Johnson, March 28; Fernlane, March 28; Granville, March 31; Hoyo, March 29; Kirishima, March 29; Kiyo, April 3; Kosei, April 3; Marchen Maersk, March 30; Nanman, March 28; Pacific Reliance, March 26; Providencia, March 25; Rosebank, March 28; San Diego, March 30; Santos, March 25; Schwaben, March 24; Silverwillow, March 28; Taiyo, March 28; Tornus, April 1; Vera, March 29; Yeiyo, March 28

ACID, BORIC—200 bgs, 22,400 lbs, Pacific Reliance, Glasgow
SULPHURIC — 4,530 lbs, Marchen Maersk, Manila
AMYL ACETATE—3,940 lbs, Marchen Maersk, Hongkong
BORATE—17,711 bgs, 3,101,800 lbs, Schwaben, Hamburg
BORAX—448 cs, 44,800 lbs, Silverwillow, Lourenco Marques; 495 bgs, 55,440 lbs, Santos, Yokohama; 800 bgs, 89,600 lbs, Pacific Reliance, Liverpool
CLAY—10 sks, 1,000 lbs, Copac, La Libertad
COBALT ACETATE—300 lbs, Marchen Maersk, Hongkong
GASOLINE—91,759 bbls, 23,949,100 lbs, Edward F Johnson, Sydney/Melbourne; 80,675 bbls, 21,056,180 lbs, Vera, London; 5,286 bbls, 1,379,650 lbs, Yeiyo, Tokuyama; 9,174 bbls, 2,394,410 lbs, Hoyo, Kure; 5,627 bbls, 1,468,650 lbs, Kiyou, Tokuyama
ETHYL—30,034 bbls, 7,628,640 lbs, Edward F Johnson, Sydney/Melbourne
HERBS, DRY—1,350 lbs, Pacific Reliance, London
INFUSORIAL EARTH—20 bgs, 2,000 lbs, Rosebank, Vancouver (Pacific Reliance); 111 bgs, 11,270 lbs, Liverpool; 604 bgs, 58,270 lbs, Glasgow; 365 bgs, 33,000 lbs, Manchester
KEROSENE, DISTILLATE—71,153 bbls, 20,065,150 lbs, Baldhill, Curacao; 2,096 bbls, 591,070 lbs, Marchen Maersk, Hongkong
LACQUER, THINNER—21,940 lbs, Silverwillow, Durban
LITHARGE—600 lbs, Marchen Maersk, Hongkong
MANGANESE DIOXIDE — 300 lbs, Marchen Maersk, Hongkong
OIL, DIESEL—3,807 bbls, 1,187,780 lbs, Fernlane, Kamaishi; 4,963 bbls, 1,548,460 lbs, Granville, Cebu; 12,280 bbls, 3,831,360 lbs, Kosei, Yokohama/Osaka
FUEL—31,714 bbls, 10,560,760 lbs, San Diego, Kawasaki
LEMON—1,540 lbs, Pacific Reliance, London
PINETAR—1,600 lbs, Marchen Maersk, Hongkong
PAINT—1,330 lbs, Capac, Lima
THINNER—1,540 lbs, Capac, Lima
PECTIN, CITROUS—3,190 lbs, Pacific Reliance, London
PETROLEUM, CRUDE—70,193 bbls, 21,900,220 lbs, Yeiyo, Tokuyama; 76,349 bbls, 23,820,890 lbs, Hoyo, Kure; (Kiyo) 68,135 bbls, 21,258,120 lbs; 6 bbls, 1,870 lbs, Tokyo, Tokuyama; 40,352 bbls, 12,580,820 lbs, San Diego, Tokuyama; 63,756 bbls, 19,891,870 lbs, Albertolite, Vancouver; (Pacific Reliance) 500 lbs, Liverpool; 3,000 lbs, Dublin
SOLVENTS—419 drms, 149,430 lbs, Nanman, Yokohama; 21,920 lbs, Pacific Reliance, London
TOLUOL—10,000 lbs, Marchen Maersk, Hongkong
ZINC, SULPHIDE—600 lbs, Marchen Maersk, Hongkong

Mobile Exports
Clearance Date

Lindvangen, March 28

TURPENTINE—3 drms, Lindvangen, Kingston

New Orleans Exports
Clearance Dates

Baja California, February 11; Bordeaux, March 26; Borgfred, March 17; Boschdijk, March 15; Cadmus, February 16; Contessa, February 28; Eidsvold, March 31; Elmsport, March 22; Helle, March 16; Indiana, March 19; Lysefjord, February 9; Morazan, February 3, 17; Nordvangen, March 18; Oakwood, March 2; Peik, March 26; Santa Marta, February 15; Sinaloa, February 4, 18; Sixaola, February 12; Tegucigalpa, February 10, 24; Toloa, February 23; Ulua, February 9, 18; Vigrid, March 18; Vimeira, March 30

ACID, BORIC—2 tons, Tegucigalpa, Vera Cruz
ALUMINA SULPHATE—7 bbls, Tegucigalpa, Tampico
ANIMAL CHARCOAL—2 tons, Ulua, Chanaral
ASPHALT—11 sks, Vigrid, Gdynia; 371 drms, Contessa, Tocopilla; 18 tons, Boschdijk, Rotterdam (Ulua) 741 drms, Panama; 10 drms, Amapala
GILSONITE—11 sks, Vigrid, Gdynia; 22 tons, Indiana, Havre
BAKING POWDER—30 ctns, Sinaloa, Bluefields; 200 ctns, Ulua, Tela; 1 ton, Santa Marta, Belize
BARYTES—45 tons, Helle, Maracaibo
BENTONITE—27 tons, Indiana, Havre
BENZOL—2,190 tons, Vimeira, Havre
BLACK, CARBON—(Eidsvold) 50 cs, Yokohama; 870 cs, Yokohama-Osaka-Kobe; (Bordeaux) 95 sks, 25 cs, Yokohama; 1,675 sks, Osaka; 5 cs, Kobe; 954 cs, Yokohama-Kobe-Osaka; (Indiana) 37 tons, Havre; 42 tons, Antwerp; (Boschdijk) 39 tons, London; 8 tons, Antwerp; 9 tons, Rotterdam; 59 tons, Oakwood, London
BLUE VITRIOL—3,000 sks, Cadmus, Porto Barrios
BONEMEAL—5 sks, Contessa, Panama
BORAX—2 tons, Tegucigalpa, Tampico
CALCIUM ARSENATE—100 drms, Sixaola, Callao; (Ulua) 400 drms, Callao; 500 drms, Pisco
CARBIDE—500 drms, Ulua, Cristobal
PHOSPHATE—3 bbls, Tegucigalpa, Tampico
CATTLE DIP—9 drms, Sixaola, Puerto Limon
CLAY—30 tons, Indiana, Havre
FILTER—135 tons, Indiana, Havre
GROUND—107 tons, Oakwood, London
COCOA, WASTE—20 tons, Boschdijk, Amsterdam
CORN SYRUP—69 tons, Boschdijk, London; 21 tons, Oakwood, London
COTTONSEED HULL SHAVING PULP—786 bls, Elmsport, Genoa; 35 tons, Oakwood, London
CREOSOTE—6 drms, Contessa, Puerto Cabezas
DISINFECTANT—12 drms, Morazan, Vera Cruz
LIQUID—14 tons, Borgfred, Progreso
DRESSING, LEATHER — 3 tons, Morozan, Vera Cruz
ELIXIR—1 ton, Sixaola, Havana
FERTILIZER—10 sx, Sixaola, Panama
FIRECLAY—4 tons, Morazan, Vera Cruz; 82 sx, Nordvangen, Georgetown; 118 tons, Cadmus, Danes; (Ulua) 76 tons, Panama City; 34 tons, Cartagena
GASOLINE — (Nordvangen) 4 drms, Kingston; 30 drms, Moengo; 100 cs, 100 drms, Sinalao, Bluefields; (Lysefjord) 350 drms, Puerto Limon; 175 bbls, Talara; 60 drms, Baja California, Bluefields; (Cadmus) 260 bbls, 250 drms, Puerto Barrios; 820 drms, 400 cs, Tela
GLUCOSE—35 bbls, Contessa, Havana
GREASE, LUBRICATING—5 drms, 6 qtr drms, Sixaola, Havana
INK—18 drms, 31 cs, Sixaola, Havana
INSECTICIDE—30 drms, Ulua, Guayaquil
KEROSENE—10 drms, 300 cs, Contessa, Puerto Cabezas; 50 cs, Baja California, Bluefields; 300 cs, Sixaola, Puerto Limon; 75 drms, Santa Marta, Puerto Barrios; (Cadmus) 25 cs, Kingston; 3 drms, Tela; (Ulua) 600 cs, Tela; 50 cs, Puerto Limon; (Sinaloa) 235 cs, 15 drms, Bluefields; 50 cs, Cozumel
LARD — 300 tins, Morazan, Vera Cruz; (Tegucigalpa) 3,200 tins, Tampico; 1,100 tins, Vera Cruz; 50 drms, 5 crtns, Lysefjord, Santiago; (Sixaola) 493 tins, 23 cs, 525 drms, Havana; 300 tins, Panama; 1,200 tins, Puerto Limon; 200 tins, Guayaquil; 45 tins, Santa Marta, Belize; 250 drms, Cadmus, Santiago; (Ulua) 725 drms, 1,090 tins, Havana; 200 tins, Panama; 1,200 tins, Puerto Limon; 50 tins, Sinaloa, Cozumel; 50 crts, 350 tins, Toloa, Puerto Barrios
LICORICE MASS — 1 ton, Morazan, Vera Cruz
LIME — 8,000 sx, Morazan, Vera Cruz; 750 sx, Tegucigalpa, Tampico; 2,268 sx, Cadmus, Kingston
MANDRAKE ROOT — 1 ton, Oakwood, London
NICOTINE SULPHATE — 40 drms, Bordeaux, Yokohama
OCHER—20 tons, Indiana, Dunkirk
OIL, COTTONSEED — 4 tons, Oakwood, London
COTTONSEED, REFD — 35 cs, Tegucigalpa, Tampico; 25 drms, Contessa, Havana
FUEL — 42,000 gls, Contessa, Ceiba; 1,500 bbls, Nordvangen, Moengo; (Ulua) 56 drms, Tela; 25 drms, Puerto Barrios; 225 drms, Santa Marta, Puerto Barrios; 50 drms, Toloa, Tela
GAS — 8,987 tons, Peik, Holland; 10 drms, Sinaloa, Cozumel
LUBRICATING — (Bordeaux) 347 drms, Yokohama; 862 drms, Osaka; 120 drms, Kobe; 18 drms, Contessa, Puerto Cabezas; (Indiana) 30 tons, St Nazaire; 9 tons, Havre; 57 tons, Dunkirk; 2 drms, Ulua, Tela; 3 drms, Baja California, Bluefields; 91 tons, Oakwood, London
PINE — 11 drms, Ulua, Callao
REFINED—10 drms, Lysefjord, La Libertad
PAINT — 1 ton, Tegucigalpa, Vera Cruz; 1 ton, Santa Marta, Puerto Barrios
PARAFFIN — 4,169 sx, Morazan, Vera Cruz; (Tegucigalpa) 1,509 sx, Vera Cruz; 1,000 sx, Tampico; 4 tons, Boschdijk, Antwerp; 150 sx, Sixaola, Havana; (Ulua) 325 sx, Puerto Barrios; 100 sx, Buenaventura; 250 sx, Toloa, Puerto Barrios; 35 tons, Oakwood, London; 61 tons, Indiana, Antwerp
PETROLATUM—12 bbls, Eidsvold, Kobe
PHOSPHATES—8 tons, Tegucigalpa, Tampico
PINETAR—30 drms, Nordvangen, Georgetown
POLISH—3 tons, Sixaola, Havana
PRESERVER, WOOD—5 drms, Cadmus, Kingston
ROSIN—26 drms, Bordeaux, Yokohama; 23 tons, Boschdijk, London; 50 drms, Sixaola, Buenaventura
GUM—15 drms, Lysefjord, Santiago; 100 bbls, Sixaola, Puerto Colombia; 10 drms, Ulua, Panama
WOOD—(Sixaola) 10 drms, Puntarenas; 10 drms, Buenaventura; 100 drms, Ulua, Havana
SALT—34 pkgs, Elmsport, Genoa; 10 tons, Contessa, Puerto Cabezas; 12 tons, Sinaloa, Bluefields; 2 tons, Baja California, Bluefields; 50 tons, Ulua, Havana; 1 ton, Toloa, Tela
BLOCK—4 tons, Ulua, Tela
ROCK—10 tons, Sixaola, Cristobal
SHRIMP BRAN—(Sixaola) 20 sx, Cristobal; 100 sx, Panama; 20 sx, Ulua, Cristobal
SOAP—100 ctns, Sinaloa, Bluefields; 100 ctns, Baja California, Bluefields
SODA, CAUSTIC—1 ton, Tegucigalpa, Tampico
STARCH—41 tons, Boschdijk, Rotterdam; 139 tons, Oakwood, London
SULPHUR—50 tons, Tegucigalpa, Vera Cruz
TOILET PREPS—1 ton, Ulua, Panama
TRIPOLI—15 sx, Eidsvold, Yokohama
TURPENTINE—6 drms, Sixaola, Havana
WOOD—110 drms, 38 cs, Sixaola, Havana; 6 drms, Cadmus, Kingston; 110 drms, 25 cs, Ulua, Havana
VARNISH—4 drms, Tegucigalpa, Tampico; 20 cs, Ulua, Guayaquil

Norfolk Exports
Clearance Dates

City of Norfolk, April 1; Toulouse, April 2

HERBS—39 bls, 11,025 lbs, City of Norfolk, Havre
LARD—2,000 bxs, 126,500 lbs, City of Norfolk, London
MICA, GRD—20 bgs, 2,000 lbs, City of Norfolk, Hamburg
PULVERIZED — (City of Norfolk) 50 bgs, 5,100 lbs, London; 222 bgs, 22,644 lbs, Hamburg
OIL, CEDAR—4 drms, 1,720 lbs, City of Norfolk, Hamburg
SASSAFRAS TREE BARK—5 bls, 1,055 lbs, City of Norfolk, Havre
SODA, BICARBONATE — 700 kgs, Toulouse, Manila
SOYBEANS—100 bgs, 11,000 lbs, City of Norfolk, Havre
STARCH, CORN—50 bgs, 7,050 lbs, City of Norfolk, London
TANNING EXTRACT—(City of Norfolk) 40 bgs, 4,000 lbs, London; 308 bgs, 46,200 lbs, Hamburg
WITCH HAZEL LEAVES—17 bls, 3,627 lbs, City of Norfolk, Havre

Philadelphia Exports
Clearance Dates

Adrastus, April 4; Australind, April 4; Balfe, April 7; Black Falcon, April 4; Bochum, April 7; Bristol City, April 5; City of Auckland, April 5; Collingsworth, April 7; Cypria, April 4; Einvik, April 2; Fernbrook, April 5; Giulia, April 4; Hokkai, April 7; Lossiebank, April 4; Maine, April 6; Manchester Exporter, April 6; San Vincente, April 2; Southlure, April 5; Steel Navigator, April 1

ABRASIVE GRAIN—3 cs, 1 dm, Steel Navigator, Manila
ALUMINA SULPHATE—1,200 bgs, San Vincente, Cali; (Maine) 220 bgs, Buenaventura; 200 bgs, Popyan
AMMONIA, ANHYDR—16 cyls, Collingsworth, Rio de Janeiro
APPLE POMACE—184 bgs, Black Falcon, Rotterdam; 299 bgs, Bochum, Hamburg
BASIL LEAVES—2 bls, Cypria, Marseilles
BLACK, BONE—4 drms, 3 bgs, City of Auckland, Bombay; 2 bxs, Hokkai Maru, Yokohama
CEMENT, COMP—8 cs, Maine, Cristobal
GASKET—18 ctns, Steel Navigator, Manila; 4 ctns, San Vincente, Corozal; (City of Auckland) 3 cs, Penang; 4 cs, Singapore; 80 cs, Teheran; 5 cs, Madras
CHEMICAL SPECIALTIES—30 ctns, Einvik, Wolfeville; 5 drms, Australind, Melbourne
CLEANER — 2 pkgs, Manchester Exporter, Manchester; 196 drms, Einvik, Wolfeville; 3 ctns, Maine, Colon
COALTAR—189 drms, San Vincente, Cristobal
INTERMEDIATES—35 drms, City of Auckland; 1 bx, Collingsworth, Rio de Janeiro

COCOA CAKE—1,280 pkgs, Black Falcon, Amsterdam
WASTE—760 pkgs, Black Falcon, Amsterdam
COLORS, COALTAR—35 dms, City of Auckland, Bombay
CYANIDE, CRUDE—4 dms, Hokkai Maru, Yokohama
DICHLORODIFLUORMETHANE — 8 cyls, Southlure, Copenhagen; 1 pkg, Black Falcon, Antwerp; 3 cyls, City of Auckland, Bombay
DYES — 37 pkgs, Black Condor, Antwerp; (Collingsworth) 22 dms, 8 bbls, Rio de Janeiro; 40 dms, Buenos Aires
ETHYL CELLULOSE—1 dm, Black Falcon, Rotterdam
EXTRACT — 30 kgs, Manchester Exporter, Manchester
FILTER SAND — 100 bgs, Collingsworth, Buenos Aires
GASOLINE—(Balfe) 1,000 cs, 500 dms, Para; 300 cs, Maranhao; 7,000 cs, 500 dms, Ceara; 5,000 cs, Natal; 1,000 cs, Pernambuco; 2,000 cs, Bahia
GREASE, LUBRICATING—6 ctns, Steel Navigator, Manila; (San Vincente) 2 dms, Corozal; 84 cs, 16 dms, Panama City; 1 bx, Lima; -- dm, Bucaramanga; 1 dm, Paita; (Southlure) 4 bbls, 2 dms, Gothenburg; 2 dms, 1 bx, Stockholm; 4 dms, Black Falcon, Antwerp; 6 pls, 6 dms, 1 cs, City of Auckland, Bombay; 35 dms, Collingsworth, Santos; (Maine) 7 dms, Barranquilla; 15 dms, Guayaquil; 1 dm, Bochum, Hamburg; 10 pls, 4 cs, Balfe, Para
ILMENITE — 28 pkgs, Manchester Exporter, Manchester
INK, ERADICATOR—1 ctn, City of Auckland, Alexandria
WRITING—41 ctns, City of Auckland, Alexandria
INSECTICIDE—70 ctns, Steel Navigator, Manila; 4 cs, 15 dms, San Vincente, Callao; 10 dms, 1 cs, Southlure, Copenhagen; 14 ctns, Maine, Colon
KEROSENE—(Balfe) 2,000 cs, Para; 2,200 cs, Maranhao; 4,000 cs, Ceara; 3,000 cs, Natal; 6,000 cs, Pernambuco; 2,500 cs, Maceio; 8,000 cs, Bahia
LACQUER—4 dms, Adrastus, Batavia
BLACK—2 cs, Fernbrook, Alexandria
THINNER—4 dms, Fernbrook, Alexandria
LEAK PREVENTER, RADIATOR—8 ctns, Steel Navigator, Manila
LICORICE PASTE—85 pkgs, Manchester Exporter, Liverpool; 5 cs, City of Auckland, Alexandria
LINSEED CAKE—1,183 pkgs, Black Falcon, Rotterdam
MEDICINAL PREPS—32 pkgs, 21 ctns, San Vincente, Panama City; (City of Auckland) 6 bxs, Karachi; 44 pkgs, Bombay; 4 bxs, Madras; 14 bxs, Calcutta; 15 ctns, Maine, Panama; 3 cs, Cypria, Lisbon
MINERAL SPTS — 6 dms, San Vincente, Panama City; 100 cs, Balfe, Para
MUCILAGE—8 ctns, 5 dms, City of Auckland, Alexandria
OCHER—100 bbls, Giulia, Switzerland
OIL, COALTAR—39 dms, Einvik, Wolfeville
ILLUMINATING — 60 cs, San Vincente, Cristobal
LUBRICATING—19 ctns, Steel Navigator, Manila; (San Vincente) 6 dms, Cristobal; 10 dms, 4 ctns, Corozal; 80 dms, 83 cs, Panama City; 15 dms, Lima; 21 dms, Callao; 56 ctns, 10 dms, Barranquilla; 21 dms, 3 cs, Bucaramanga; 4 dms, Pisco; 19 dms, Paita; 7 dms, Mollendo; 65 dms, Guayaquil; (Lossiebank) 100 dms, Hongkong; 2,075 pkgs, Manila; (Southlure) 9 dms, Gothenburg; 255 dms, 6 bbls, Copenhagen; 21 dms, 4 bxs, Stockholm; 6 dms, Helsingfors; 37 bbls, Bristol, Cardiff; 75 pkgs, Black Falcon, Antwerp; (Manchester Exporter) 112 pkgs, Liverpool; 65 pkgs, Manchester; (Adrastus) 185 pkgs, 60 dms, Port Swettenham; 435 pkgs, Singapore; 1,000 pkgs, Batavia; 10 dms, Batavia-Semarang-Sourabaya; 64 dms, 22 pls, 693 pkgs, Sourabaya; 70 pkgs, Penang; 21 pkgs, Palembang; 128 pkgs, Padang; 63 pkgs, Medan; 187 pkgs, Palembang; 77 pkgs, Sibolga; 488 pkgs, Semarang; 100 pkgs, Bangkok; 33 pkgs, Menado; 105 pkgs, Macassar; (Cypria) 1,165 pkgs, Lisbon; 202 pkgs, Leixoes; 48 pkgs, Benguela; 60 pkgs, Loanda; 12 pkgs, St Vincent; 10 pkgs, Praia; 25 bbls, Marseilles; 5 pkgs, Oran; 28 pkgs, Tangier; 291 pkgs, Casablanca; 41 pkgs, Gibraltar; (Giulia) 585 bbls, Genoa; 808.50 tons, Genoa-Vado; 268 bbls, 33 pkgs, Naples; (City of Auckland) 53 dms, 1 bx, Bombay; 65 dms, 525 pkgs, Madras; 135 dms, 2,750 pkgs, Calcutta; 40 pkgs, Colombo; 80 dms, Port Said; 503 pkgs, Cochin; 1,694 pkgs, Karachi; (Australind) 27 dms, 4 ctns, 1,866 pkgs, Sydney; 381 pkgs, Fiji Islands; 11 bbls, 77 dms, 1,864 pkgs, Melbourne; 55 pkgs, Hobart; 50 pkgs, Brisbane; 25 pkgs, Adelaide; 150 cs, 20 pls, 5 bbls, Collingsworth, Santos; (Maine) 4 ctns, Colon; 12 dms, 4 dms, Callao; 38 dms, 4 cs, Barranquilla; 125 dms, Guayaquil; (Balfe) 35 dms, 43 cs, Para; 20 dms, 20 cs, Iquitos; 30 dms, Maranhao; 90 cs, 10 dms, Ceara; 365 cs, 60 dms, Pernambuco; 10 cs, 5 dms, Maceio; 21 dms, Bahia
NEATSFOOT—15 pkgs, Black Falcon, Antwerp; 12 pkgs, Manchester Exporter, Manchester; 6 bbls, Bochum, Hamburg
TRANSFORMER—20 cs, Balfe, Pernambuco
PAINT—33 ctns, Steel Navigator, Manila; (Southlure) 1 bx, Gothenburg; 2 bxs, Stockholm
ENAMEL—3 ctns, San Vincente, Corozal
PARAFFIN—(San Vincente) 204 bgs, Oruro; 127 bgs, Valparaiso; 50 bgs, Fernbrook, Alexandria; 82 dms, Bristol City, Bristol; 10 pkgs, Black Falcon, Antwerp; (Manchester Exporter) 255 pkgs, Liverpool; 50 pkgs, Huddersfield; 466 pkgs, Manchester; 400 bgs, Cypria, Oporto; 10 bgs, 51 bbls, Bochum, Hamburg
REFINED—100 bgs, Southlure, Gothenburg; (Hokkai) 1,530 bgs, 213 bbls, Dairen; 207 bbls, Tientsin
PASTE, AUTO TOP—6 ctns, Steel Navigator, Manila
TIRE—1 ctn, Steel Navigator, Manila
PLASTIC—112 dms, Bristol City, Cardiff
POLISH, AUTO — 2 ctns, 1 cs, Steel Navigator, Manila; 4 ctns, San Vincente, Corozal; (City of Auckland) 4 cs, Bombay; 2 cs, Madras
FURNITURE — 12 ctns, Maine, Colon
OPTICAL — 1 ctn, Steel Navigator, Manila
WAX — 1 cs, City of Auckland, Bombay
PUTTY — 2 ctns, Adrastus, Batavia
RADIATOR FLUSH — 4 ctns, Steel Navigator, Manila
RUBBER, COMPOUNDING AGENTS — 1 dm, Collingsworth, Buenos Aires
SHELLAC, GASKET—10 cs, Adrastus, Singapore
SOAP — 2 pails, 16 ctns, 1 cs, Steel Navigator, Manila
LAUNDRY — (Manchester Exporter) 300 pkgs, Liverpool; 300 pkgs, Manchester
LIQUID — 2 dms, Collingsworth, Santos
SODA, ASH — 2 dms, City of Auckland, Bombay
CAUSTIC — (Adrastus) 100 dms, Belawan Deli, 10 dms, Tegal; 350 dms, Sourabaya
CYANIDE — 4 dms, 1 bx, Southlure, Gothenburg; 4 dms, City of Auckland, Bombay
SULPHUR, FLOTATION — 5,000 bbls, Einvik, Port William
TANNERS, BATE — 8 bbls, San Vincente, Santiago
EXTRACT — (Australind) 7 bbls, Adelaide; 7 bbls, Brisbane; 5 bbls, Balfe, Recife
MATERIAL — 12 bbls, Australind, Sydney
TIRE COATING, BLACK — 2 ctns, Steel Navigator, Manila
WHITE — 6 ctns, Steel Navigator, Manila
VALVE GRINDING COMP—195 ctns, Australind, Sydney
YELLOW OXIDE — 1 bx, Australind, Sydney
ZIRCONIUM METAL POWDER—1 bx, Australind, Victoria

Port Arthur Exports

Clearance Dates

Burane, April 5; City of Joliet, April 1; Albert L Ellsworth, April 3; Inverlee, March 28; Kattegat, April 1; Leiv Eriksson, March 29; Ruth Lykes, April 1; Manoeran, April 2; Marietta, March 30; Meline, March 29; Monfiore, March 29; Nairnbank, March 28; Neptuno, April 2; Rhea, April 4; Skaraas, April 1

ASPHALT—258 dms, Inverlee, Amsterdam; (Nairnbank) 625 dms, 678 bbls, Brisbane; 1,506 dms, 678 bbls, Sydney; 746 bbls, Melbourne; 2,745 dms, Adelaide; 10 dms, Kattegat, Antwerp
LIQUID—(Ruth Lykes) 3 bbls, Buenaventura; 2 bxs, Puerto Colombia
PETROLEUM—(City of Joliet) 2,331 bbls, 1,281 dms, London; 98 dms, Dundee
BLENDING FLUID—19 bbls, Marietta, Santander-Bilbao; 8 bbls, Skaraas, Coruna
GASOLINE—(Inverlee) 53,225 bbls, Amsterdam; 26,198 bbls, Hull; (Nairnbank) 10 dms, Brisbane; 15 dms, Sydney; 20 dms, Melbourne; 20 dms, Adelaide; 115,605 bbls, Marietta, Santander-Bilbao; 119,029 bbls, Skaraas, Coruna; 500 cs, Ruth Lykes, Amapala; (Neptuno) 30 dms, 1,000 cs, 510 bbls, Puerto Cortez; 605 bbls, 600 dms, 100 cs, Belize
GREASE, LUBRICATING—1 cs, Inverlee, Amsterdam; (Nairnbank) 15 dms, 13 cs, Brisbane; 158 dms, 63 cs, Sydney; 25 dms, Melbourne; 70 dms, 125 cs, Adelaide; 162 bbls, 1 cs, Monfiore, Genoa; 40 dms, 246 ctgs, 227 cs, 26 pls, City of Joliet, London; 214 dms, 110 bbls, 77 cs, Kattegat, Antwerp; (Ruth Lykes) 40 cs, Amapala; 35 cs, Puntarenas; 81 dms, 10 cs, Buenaventura; (Neptuno) 131 dms, 144 cs, Havana; 40 cs, 5 dms, Puerto Cortez; 75 dms, 3 cs, 70 pls, Belize
KEROSENE—28,322 bbls, Inverlee, Amsterdam; 30 dms, City of Joliet, London; 50 cs, Ruth Lykes, Puntarenas; (Neptuno) 1,400 cs, Puerto Cortez; 150 bbls, 150 dms, 125 cs, Belize
OIL, DIESEL—2,816 bbls, Inverlee, Amsterdam; (Nairnbank) 200 dms, Brisbane; 200 dms, Sydney; 300 dms, Melbourne; 500 dms, Adelaide; 21,951 bbls, Leiv, Eriksson, Ceuta; (Neptuno) 60 bbls, Puerto Cortez; 550 bbls, 550 dms, Belize
FUEL—70,506 bbls, Leiv, Eriksson, Ceuta
LUBRICATING—42 dms, 21 bbls, Inverlee, Amsterdam; (Nairnbank) 1,220 dms, Brisbane; 2,250 dms, 50 cs, Sydney; 735 dms, 25 cs, Melbourne; 725 dms, Adelaide; 11 dms, Marietta, Santander-Bilbao; 416 dms, 65 ctgs, 80 cs, 160 bbls, City of Joliet, London; (Kattegat) 30,268 bbls, 104 dms, Antwerp; 14,505 bbls, Manchester; 15,857 bbls, Dagenham; 26 dms, Skaraas, Coruna; (Ruth Lykes) 31 dms, 70 cs, Amapala; 90 dms, 105 cs, Buenaventura; (Neptuno) 216 dms, 363 cs, Havana; 13 dms, 20 cs, Puerto Cortez; 71 dms, 28 cs, Belize
LUBRICATING, PALE—450 bbls, 20 dms, 40 half bbls, Monfiore, Genoa; 5,807 bbls, 65 dms, Manoeran, Calcutta
PARAFFIN—90 cs, Nairnbank, Sydney; 3,797 bgs, Monfiore, Genoa-Naples
PETROLEUM, CRUDE—70,069 bbls, Meline, Bordeaux; 94,633 bbls, Albert L Ellsworth, Dunkirk; 83,018 bbls, Rhea, Bordeaux; 47,886 bbls, Burano, Venice
SOLVENT, CLEANING—20 dms, Nairnbank, Brisbane

San Francisco Exports

Clearance Dates

Amerika, March 23; Athelempress, March 16; Athenic, March 22; Capac, March 23; Djambi, March 17; Kingsley, March 16; La Placentia, March 21; Laurits Swenson, March 21; Pacific Reliance, March 19; Providencia, March 23; San Francisco, March 16; Schwaben, March 22; Shabonee, March 23; Sonora, March 16; Titibu, March 16; Tulsagas, March 21; Tuscaloosa City, March 16; Vilja, March 19; W. B. Walker, March 21

ABRASIVE PAPER—4 crts, Titibu, Yokohama
ACETONE—124 dms, San Francisco, Belgium
ACID, FORMIC—2 crbys, Kingsley, Vancouver
MURIATIC—(Capac) 3 crbys, Guatemala; 20 crbys, La Union
NITRIC—2 crbys, Capac, La Union
SULPHURIC—1 cs, Providencia, Santa Rosalia
AMMONIA—200 cyls, Djambi, Bahrein
ANHYDROUS—2 cyls, Capac, Puntarenas
AMYL ACETATE—10 dms, Djambi, Batavia
APRICOT KERNELS—50 sks, Tuscaloosa City, England; 20 sks, Laurits Swenson, Oslo; (Amerika) 75 sks, Copenhagen; 25 sks, Rotterdam
ASPHALT—(Djambi) 1,370 dms, Manila; 10 dms, Bahrein; 50 dms, Sourabaya; 200 bbls, La Placentia, Vancouver
LIQUID—10 dms, Djambi, Bahrein
GILSONITE—205 sks, Amerika, Copenhagen
BITUMINOUS COATING—7 cs, 11 kgs, Capac, Callao
BLUE, LAUNDRY—3 cs, Djambi, Iloilo; 2 cs, Capac, San Jose de Guatemala
BONE ASH—2 dms, Providencia, Santa Rosalia
FLOUR—400 sks, Kingsley, Vancouver
BORAX—60 cs, Djambi, Manila
CANARY SEED—12 cs, Capac, Acajutla
CARBON BISULPHIDE—20 dms, Capac, La Union
CEMENT, CAN—1 dm, Kingsley, Victoria
CHALK, PREPARED—1 cs, Djambi, Batavia
CHEMICALS—1 cs, Dpambi, Manila; 10 dms, Capac, Valparaiso
CHLORINE BLEACH, LIQ—20 cs, Djambi, Bahrein
CINNAMON—(Capac) 20 bls, Acajutla; 8 bdls, Amapala; 25 bls, La Libertad; 24 bls, San Jose de Guatemala
CLAY, FILTER—3,200 sks, Capac, Talara
CLEANER—2 cs, Djambi, Iloilo; 1 cs, Capac, Guatemala; 20 cs, Bahrein
CLOVES—3 sks, Capac, Acajutla
COALTAR—5 dms, Capac, San Salvador
INTERMEDIATES—1 bbl, Athenic, Japan
COLOR, DRY—2 kgs, Kingsley, Victoria; 4 kgs, Athenic, Japan; 11 bbls, 1 cs, Djambi, Bahrein; 8 kgs, 3 bbls, 17 cs, Capac, Guatemala
CONCENTRATES—(Titibu) 91 dms, Kobe; 167 bbls, Osaka; 79 bbls, Yokohama
COTTONSEED MEAL—500 sks, Kingsley, Vancouver
CREAM TARTAR—3 bbls, Titibu, Yokohama
CUMIN SEED—(Capac) 2 sks, Acajutla; 6 bls, Amapala
DENTIFRICES—1 cs, Sonora, Haapai; 1 cs, Capac, Santa Ana
DRUGS—4 cs, Djambi, Padang
EARTH, BLACK MINERAL—20 cs, Kingsley, Vancouver
FIRECLAY—1 dm, Providencia, Santa Rosalia
FLY SPRAY—20 cs, Tulsagas, Philippine Islands
GASOLINE—(Sonora) 200 cs, Haapai; 2,050 cs, 2,5 dms, Nukualofa; 500 cs, 55 dms, Vavau; 3,000 cs, Levuka; 325 cs, Lautoka; 1,800 cs, Suva; 700 dms, Apia; 500 cs, 20 dms, Pago Pago; 30 cs, Washington Island; 378 dms, Tutuila; 38,000 bbls, Tulsagas, Philippine Islands; 20 dms, Providencia, Santa Rosalia; 70,782 bbls, Shabonee, Auckland; (Capac) 1,500 dms, Puntarenas; 25 dms, San Jose de Guatemala
AVIATION—20 dms, Kingsley, Shellburn; 4,576 bbls, W B Walker, Sydney/Melbourne
GLASS, PLATE—1 cs, Capac, La Libertad
GLUCOSE (Djambi) 30 bbls, Cebu; 100 bbls, Bombay
GREASE, LUBRICATING—18 dms, 57 pls, 50 cs, Kingsley, Shellburn; 2 cs, Sonora, Vavau; 135 dms, 12 cs, Djambi, Bahrein; 50 pls, La Placentia, Port Moody; 64 dms, 130 cs, 25 pls, Tulsagas, Philippine Islands; 1 cs, Providencia, Santa Rosalia; 2 dms, 10 pls, 5 cs, Capac, San Jose de Guatemala
GYPSUM—1 kg, Capac, Guatemala
HEPTANE, NORMAL—5 cs, Athenic, Japan
HOPS—32 bls, Titibu, Moji
INK—1 cs, Titibu, Chinnampo
DEVELOPING—1 cs, Kingsley, Victoria
PRINTING—17 kgs, Djambi, Batavia; (Capac) 40 pls, 5 cs, Lima; 10 dms, Valparaiso
INSECTICIDE—12 cs, Capac, Guatemala
AGRICULTURAL — 4 cs, Pacific Reliance, London
KEROSENE—(Sonora) 460 cs, 8 dms, Vavau; 50 cs, Pago Pago; 1,040 cs, Nukualofa; 250 cs, Niue; 200 cs, Haapai; 20 cs, Washington Island; 4 dms, Apia; 26,000 bbls, Tulsagas, Philippine Islands; 2,866 bbls, Shabonee, Auckland
POWER — 5,744 bbls, Shabonee, Auckland
LACQUER — 2 cs, Kingsley, Vancouver; 1 cs, Djambi, Batavia; 6 kgs, Laurits Swenson, Bergen; (Capac) 9 cs, San Salvador; 6 cs, Guatemala
THINNER — 2 dms, Capac, Guatemala
LARD—700 tins, Capac, Guayaquil
LEAD, METALLIC PASTE—10 pls, Pacific Reliance, Surrey
RED, DRY—100 kgs, Djambi, Cebu
RED, IN OIL—1 cs, Capac, Guatemala
WHITE, IN OIL—100 kgs, Djamzi, Manila
MAGNESITE—20 sks, Providencia, Santa Rosalia
MEDICINAL PREPS—25 cs, Kingsley, Vancouver
MILK, POWDER—125 dms, Djam,i Manila; 110, bbls, Pacific Reliance, Manchester; 4 cs, Capac, Amapala
MUSTARD SEED—5 sks, Capac, Guatemala
NAPHTHA—(Sonora) 50 dms, 50 cs, Vavau; 90 cs, Fanning Island; (W B Walker) 83,148 bbls, Sydney/Melbourne; 10,948 bbls, Suva
NITROCELLULOSE—2 dms, Kingsley, Victoria
NUTMEGS—(Capac) 2 sks, Amapala; 2 sks, Acajutla
OIL—1 cs, Sonora, Vavau
BATCHING—4,245 dms, W B Walker, Sydney/Melbourne
CASTOR—2 cs, Sonora, Apia
COCONUT—(Capac) 5 dms, Guatemala; 13 dms, San Jose de Guatemala
DIESEL—8 dms, Sonora, Haapai; 10,069 bbls, W B Walker, Suva; 8,000 bbls, Tulsagas, Philippine Islands; 6,148 bbls, Shabonee, Auckland
FUEL—6 dms, Sonora, Fanning Island; 50,000 bbls, La Placentia, Vancouver
LUBRICATING—(Titibu) 684 dms, Dairen; 260 dms, Harbin; 3 cs, Tokio; 40 dms, 20 pls, Kingsley, Shellburn; (Sonora) 1 dm, Vavau; 31 cs, Apia; (Djambi) 30 cs, 175 dms, Bombay; 35 dms, Sourabaya; 61 dms, 7 cs, Batavia; 185 dms, 20 qtr dms, Madras; 17 dms, Medan; 50 dms, 5 cs, Karachi; 124 dms, Macassar; 200 dms, Colombo; (La Placentia) 6 dms, Port Moody; 5 dms, Vancouver; 2,309 bbls, W B Walker, Sydney/Melbourne; 765 dms, 11 cs, Tulsagas, Philippine Islands; 2 bbls, Schwaben, Hamburg; 26 bbls, Providencia, Santa Rosalia; (Capec) 10 dms, Talara; 15 dms, Callao; 27 dms, Lima; 5 dms, 65 cs, San Jose de Guatemala; 20 dms, Valparaiso; 6 dms, Guayaquil
MINERAL, WHITE—4 dms, Kingsley, Vancouver
MIXING—1 cs, Capac, Guatemala
MOTOR—(Sonora) 2 cs, Washington Island; 3 cs, Fanning Island
OLIVE—2 dms, Kingsley, Vancouver
RAPESEED—3 dms, La Placentia, Port Moody
PAINT—(Djambi) 10 pls, Manila; 10 pls, Sourabaya; 5 dms, 50 pls, Batavia; 1 cs, Laurits Swenson, Bergen; (Capac) 6 pls, 140 cs, Guatemala; 88 cs, 19 kgs, Callao
COPPER—3 cs, Sonora, Vavau
ENAMEL—3 cs, Kingsley, Vancouver; (Capac) 10 cs, San Salvador; 10 pls, 8 cs, Guatemala
PREPARED, MIXED—1 cs, Sonora, Haapai; 9 dms, Capac, Callao
REMOVER—4 cs, Capac, Guatemala
THINNER—(Capac) 3 cs, San Salvador; 1 dm, 1 cs, Capac, Callao
PARAFFIN—1 cs, Providencia, Santa Rosalia
PEPPER, BLACK—(Capac) 3 sks, Amapala; 25 sks, San Jose de Guatemala; 2 sks, Guatemala
PETROLEUM—(Titibu) 100 dms, Yokohama; 100 dms, Kobe; 5 dms, Djambi, Batavia; 4 cs, Pacific Reliance, London
CRUDE—97,981 bbls, Athelempress, Yokohama; 66,000 bbls, Vilja, Japan
REFINED—(Sonora) 500 cs, Haapai; 800 cs, Nukualofa; 310 cs, 10 dms, Vavau; 1,050 cs, Levuka; 6,600 cs, Lautoka; 5,750 cs, Suva; 750 cs, Apia; 190,848 gls, W B Walker, Sydney/Melbourne
SPTS—30 dms, Tulsagas, Philippine Islands
POLISH, FURNITURE—2 cs, Tulsagas, Philippine Islands; 1 cs, Capac, Guatemala
METAL—5 cs, Tulsagas, Philippine Islands; 1 cs, Capac, Guatemala
STOVE—1 cs, Capac, Guatemala
POTASH ETHYL XANTHATE—160 dms, Capac, Chanaral
MURIATE—2,050 tons, Athenic, Japan
XANTHATE—80 dms, Kingsley, Kimberly; (Capac) 20 dms, Callao; 2 dms, Mollendo
PUMICE—1 cs, Capac, Guatemala
PUTTY—1 can, Djambi, Manila; 2 cs, Capac, Guatemala
QUICKLIME—400 dms, Capac, San Juan del Sur
REAGENT—38 dms, Capac, Quechisia
SACCHARIN, SOLUB—4 cs, Athenic, China
SALT—7 bbls, 501 tons, Kingsley, Vancouver, 30 bls, Sonora, Apia
SAND—193 tons, Providencia, Santa Rosalia
SEALING COMP—1 cs, Capac, Guatemala
SHELLAC, DRY—1 sk, Capac, San Salvador
ORANGE—1 cs, Providencia, Santa Rosalia
SILICA, POWD—1 dm, Providencia, Santa Rosalia
SOAP, GRANULATED—40 cs, Djambi, Bahrein
MEDICATED—2 cs, Kingsley, Vancouver
POWDER—50 cs, Djambi, Bahrein
TOILET—4 cs, Sonora, Apia; 30 cs, Djambi, Bahrein
SODA, ASH—10 bbls, Providencia, Santa Rosalia
CAUSTIC—4 dms, Djambi, Manila; 10 dms, Providencia, Santa Rosalia; (Capac) 6 dms, La Libertad; 10 dms, Amapala
SILICATE—13 dms, 5 bbls, Kingsley, Vancouver
SULPHITE—1 kg, Kingsley, Vancouver
XANTHATE—(Kingsley) 160 dms, Flin Flon; 250 dms, Kimberley
SOLVENT, BATHROOM—3 cs, Djambi, Iloilo
DRAIN-PIPE—2 cs, Capac, Guatemala
STODDARD—10 dms, 50 cs, Tulsagas, Philippine Islands
SOOT REMOVER—5 cs, Pacific Reliance, London
SPRAY, OIL EMULSION—6 dms, Kingsley, Vancouver
SULPHUR DIOXIDE—15 cyls, Kingsley, Vancouver
SULPHUR SOL—1 crby, Kingsley, Vancouver
TAPIOCA—1 sk, Capac, San Jose de Guatemala
TOILET PREPS—(Sonora) 1 cs, Haapai; 1 cs, Vavau; 1 cs, Apia; 1 cs, Djambi, Colombo; 1 cs, Capac, Santa Ana
TURPENTINE—3 cs, Sonoro, Nukualofa; 3 dms, Providencia, Santa Rosalia
VARNISH—(Capac) 2 cs, San Salvador; 1 dm, 6 pls, 3 cs, Guatemala; 10 cs, Callao
FURNITURE—4 cs, Providencia, Santa Rosalia
REMOVER—1 dm, 1 cs, Capac, Callao
WAX, FLOOR—3 cs, Capac, Guatemala
WEED KILLER—25 dms, Tulsagas, Philippine Islands
WOOD PRESERVER—(Capac) 1 cs, San Salvador; 3 cs, Capac, Guatemala
ZINC DUST—160 dms, Kingsley, Vancouver

Savannah Exports

Clearance Dates

Monrosa, March 31; Sacarappa, March 30; Silverwalnut, March 28; Stureholm, March 31

CLAY—(Sacarappa) 1,200 bgs, Liverpool; 140 bgs, Manchester; (Stureholm) 26 bgs, Stockholm; 1 bg, Copenhagen
FULLER'S EARTH — 640 bgs, Stureholm, Gdynia
GLUCOSE — (Silverwalnut) 120 bbls, Manila; 20 bbls, Cebu
OIL, ROSIN—6 dms, Stureholm, Oslo
ROSIN, GUM—(Sacarappa) 170 bbls, Liverpool; 466 bbls, Hamburg; 50 bbls, Bohumin; 75 bbls, Czechoslovakia; 600 bbls, Silverwalnut, Shanghai; (Monrosa) 700 bbls, Genoa; 25 bbls, Susak; 22 bbls, Istanbul; (Stureholm) 235 bbls, 42 dms, Oslo; 50 bbls, Drammen; 50 bbls, Bergen; 1,323 bbls, 45 dms, Gothenburg; 86 dms, 25 bbls, Stockholm; 30 bbls, Norrkoeping; 50 bbls, Malmo; 5 dms, Hudiksvall; 75 dms, 250 bbls, Copenhagen; 542 bbls, Gdynia; 60 bbls, Raumo; 65 bbls, Riga; 65 bbls, Czechoslovakia; 50 dms, Helsingfors
SIZE, DRY—(Stureholm) 224 bgs, Stockholm; 90 bgs, Sodertelga; 134 bgs, Oskarshamn; 90 bgs, Wiborg; 987 bgs, Mantyluoto; 112 bgs, Helsingfors
TURPENTINE, GUM — (Sacarappa) 15 bbls, Liverpool; 75 bbls, Manchester; (Stureholm) 70 bbls, Oslo; 128 bbls, 128 dms, Gothenburg; 30 bbls, Stockholm; 285 bbls, Copenhagen; 10 bbls, Helsingfors

Tampa Exports

Clearance Dates

Cuba, March 26; General Tosta, March 31; Goldfield, April 2; Nordvangen, March 26; Tatsuno, April 4; Trafalgar, April 1

BAKING POWDER — 19 ctns, Goldfield, Georgetown
COCOA — 9 ctns, Goldfield, Georgetown
COOKING FAT — 6 cs, Goldfield, Georgetown
DISINFECTANT — 1 bx, Goldfield, Georgetown
DRUGS, ETC — 1 ctn, General Tosta, Belize; 1 bx, Goldfield, Georgetown
EMULSION, WAX — (Nordvangen) 7 dms, Kingston; 10 dms, Port of Spain
GAS—1 dm, General Tosta, Belize
GASOLINE—3 dms, General Tosta, Belize; 57 dms, Goldfield, Georgetown
GREASE, LUBRICATING — 20 cans, General Tosta, Belize
KEROSENE — 20 dms, Goldfield, Georgetown
OIL, FLOOR — 1 dm, Cuba, Havana
PARAFFIN — 2 dms, Nordvangen, Spanish Town
PHOSPHATE — 1,642 tons, Trafalgar, Czechoslovakia; 2,987 tons, Tatsuno, Yokohama
SOAP—1 dm, Cuba, Havana
LAUNDRY—30 ctns, Goldfield, Georgetown; 1 cs, Cuba, Havana
SODA, BICARBONATE — 5 ctns, Goldfield, Georgetown
STARCH, CORN — 9 cs, Goldfield, Georgetown
WOOD PRESERVER — 5 dms, Nordvangen, Wingston

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE — 42,281 bbls, Levant Arrow, Baytown; 89,905 bbls, John Worthington, Baytown
OIL, GAS — 60,013 bbls, Ario, Baytown; 97,118 bbls, Comet, Baytown
NAPHTHA — 60,289 bbls, C B Watson, Baytown
OIL, FUEL — 2,003 bbls, John Worthington, Baytown; 44,076 bbls, Huguenot, Baytown
PETROLEUM, CRUDE — 30,475 bbls, Federal, Baytown; (Spencer Kellogg) 109,617 bbls, Baytown; 55,221 bbls, Texas City; 53,754 bbls, Ruth Kellogg, Baytown; 66,331 bbls, Franklin K Lane, Baytown; 40,885 bbls, Huguenot, Baytown; 145,431 bbls, W S Farish, Baytown; 88,934 bbls, Sylvan Arrow, Baytown; 44,404 bbls, Dannedalke, Baytown; 74,562 bbls, Cities Service Kansas, Baytown; 65,319 bbls, L J Drake, Baytown; 144,381 bbls, G Harrison Smith, Baytown; 68,974 bbls, Argon, Baytown

Los Angeles Coast Trade

GASOLINE—73,336 bbls, Illinois, San Francisco; 14,069 bbls, La Purisima, San Diego; 10,239 bbls, San Diegan, San Diego
OIL, DIESEL—4,458 bbls, La Purisima, San Diego
FUEL—60,832 bbls, Emidio, Portland; 4,589 bbls, Illinois, San Francisco; 14,453 bbls, La Purisima, San Diego; 2,441 bbls, Coast Trader, Seattle; 2,000 bbls, Scotia, Eureka; 44,584 bbls, Brandywine, Seattle
FURNACE—6,943 bbls, Emidio, Portland
PETROLEUM, CRUDE—77,269 bbls, Montebello, Oleum

San Francisco Coast Trade

ASPHALT—70,000 bbls, D G Schofield, Baltimore
83 bbls, Charles L Wheeler, Jr, Portland, Ore
BONE MEAL—6 tons, Coast Merchant, Astoria
CHEMICALS—131 bbls, Wallingford, Seattle
CHLORINE BLEACH, LIQUID—1,456 cs, Wallingford, Seattle
600 cs, Wallingford, Tacoma
12 tons, Wallingford, Bellingham
COCONUT, DESIC—3,896 cs, Virginia, New York
77 tons, San Marcos, Brooklyn
77 tons, San Marcos, Albany
COTTONSEED MEAL—50 tons, Charles L Wheeler, Jr, Portland, Ore
GUM COPAL—60 sks, Virginia, New York
INSECTICIDE—125 sks, Coast Merchant, Astoria
MILK POWDER—46 tons, Virginia, New York
25 tons, San Marcos, Albany
MUSTARD—10 dms, Virginia, Los Angeles
OIL, LUBRICATING—14 tons, Charles L Wheeler, Jr, Portland, Ore
482 tons, Charles L Wheeler, Jr, Willbridge
PAINT—25 tons, Coast Banker, Seattle
1,428 pkgs, Charles L Wheeler, Jr, Portland, Ore
PETROLEUM PRODUCTS—29 tons, Coast Merchant, Astoria
PRUNE JUICE—85 tons, San Marcos, Albany
SALT—23 tons, Coast Banker, Portland, Ore
9,487 pkgs, Wallingford, Seattle
23 tons, Coast Merchant, Wenatchee
44 tons, Coast Merchant, Bellingham
5,646 pkgs, Charles L Wheeler, Jr, Portland, Ore
SOAP—360 sks, Wallingford, Seattle
523 pkgs, Wallingford, Tacoma
894 cs, Charles L Wheeler, Jr, Portland, Ore

Cargo Ship Arrivals

April 9 to April 22

New York

Absaroka	San Francisco*	April 14
American Banker	London	April 12
American Importer	Manchester*	April 12
American Trader	London	April 18
Amor	Maracaibo*	April 18
Awobasan	Kobe*	April 13
Aquitania	Southampton*	April 19
Arimasan	Kobe*	April 21
Astri	Santos*	April 22
Batory	Gdynia*	April 16
Birmania	Trieste*	April 15
Black Eagle	Rotterdam*	April 15
Black Hawk	Rotterdam*	April 19
Black Tern	Rotterdam*	April 11
Blankaholm	Sundsvall	April 18
Borinquen	Trujillo*	April 11
Buenaventura	Port au Prince*	April 18
Cacique	Maracaibo*	April 18
Caledonia	Glasgow*	April 18
Californian	Tacoma*	April 11
Calmar	Bradwood	April 20
Cameronia	Glasgow*	April 11
Cape Corso	Para*	April 19
Chincha	Mombasa*	April 13
Cissy	Maracaibo*	April 18
City of Bath	Calcutta*	April 13
City of Elwood	Calcutta*	April 18
Colombia	Puerto Colombia*	April 18
Cristobal	Cristobal*	April 11
Cubano	Buenos Aires*	April 21
Delphol	Odessa*	April 17
Deutschland	Hamburg*	April 15
Dorothy Luckenbach	Seattle*	April 21
Eastern Prince	Buenos Aires*	April 14
Europa	Bremen*	April 12
Examiner	Oran*	April 15
Exeter	Beirut*	April 14
Exmouth	Piraeus*	April 15
Fernbank	Manila*	April 11
Fjeld	Bahia*	April 20
Foylebank	Shanghai*	April 20
Gerolstein	Antwerp*	April 21
Goslar	Whvalla*	April 12
Greystoke Castle	Dairen*	April 12
Heffron	Portland*	April 19
Henri Jaspar	Antwerp	April 20
Herman Frasch	Portland*	April 14
Ile de France	Havre*	April 14
Ida	Trieste*	April 19
Ingria	Marseilles*	April 12
Ingrid	Paramaribo*	April 19
Iowan	Portland*	April 14
Jamaica	Puerto Colombia*	April 11
Kanto	Manila*	April 12
Kelso	Hull*	April 15
Kimikawa	Iloilo*	April 15
Kirishima	Manila*	April 14
Laila	Iquique*	April 15
Lalande	Santos	April 16
Lancastria	Liverpool*	April 11
Lara	Maracaibo*	April 16
Liberty Glo	Seattle*	April 14
Luna	Trinidad*	April 15
Maine	Mombasa*	April 13
Manhattan	Hamburg*	April 14
Maria	Trieste*	April 22
Mexican	Tacoma*	April 21
Molda	Marseilles*	April 18
Mormactide	Copenhagen*	April 14
Munargo	Havana*	April 14
Nagara	Keelung*	April 15
New Texas	Lagos*	April 18
Niel Maersk	Manila*	April 15
Oakmar	Portland*	April 15
Olga S	Antwerp*	April 12
Panuco	Tampico*	April 15
Pastores	Puerto Barrios*	April 14
Paul Luckenbach	Seattle*	April 15
Pennsylvanian	Tacoma*	April 19
Pocone	Santos*	April 16
Rex	Genoa*	April 14
Rhexenor	Hongkong*	April 16
Rio Pardo	Bahia*	April 13
Robin Adair	Mombasa*	April 18
Roma	Genoa*	April 20
St Mihiel	Honolulu*	April 19
Samaria	Liverpool*	April 19
San Jacinto	La Romana*	April 13
San Juan	La Romana*	April 19
San Marcos	Portland*	April 22
San Rafael	Portland*	April 13
Santa Elena	San Juan*	April 12
Santa Inez	Chanaral*	April 18
Santa Maria	San Antonio*	April 16
Santa Rosa	San Juan*	April 19
Scanmail	Copenhagen	April 16
Scanpenn	Kotka*	April 14
Schodack	Havre*	April 18
Seatrain New York	New Orleans*	April 12
Segundo	Buenos Aires*	April 22
Siboney	Vera Cruz*	April 19
Spaarndam	Rotterdam	April 21
Stavangerfjord	Oslo*	April 16
Steel Exporter	Honolulu*	April 12
Steel Seafarer	Dairen*	April 20
Stjerneborg	N Westminster*	April 18
Talamanca	Puerto Colombia*	April 13
Tampa	Manila*	April 22
Tercero	Buenos Aires*	April 15
Texas Banker	Houston*	April 19
Texas Trader	Houston*	April 12
Thule	Bahia*	April 19
Tokai	Manila*	April 20
Triton	Manila*	April 14
Van Rensselaer	Paramaribo*	April 11
Veragua	Cristobal*	April 17
Vermont	Portland*	April 16
Vigilant	Gdynia*	April 21
Virginia	San Francisco*	April 11
West Cusseta	Calcutta*	April 12
Westernland	Antwerp*	April 12
Zarembo	Matadi*	April 11

* And other ports

SPRAY, TREE—120 tons, 975 dms, Wallingford, Seattle
SULPHUR—30 tons, Coast Banker, Seattle
SUNFLOWER SEED—17 tons, San Marcos, Baltimore
TOILET PREPS—4 cs, Charles L Wheeler, Jr, Portland, Ore

Recent Charters

PETROLEUM—— tons, S S Inver, Gulf to Dunkirk, 17s 6d; May
5,941 tons, S S Skaraas, clean, Aruba to United Kingdom, Continent, 16s 6d; May
5,360 tons, S S Inverlee, dirty, Gulf to Dunkirk, 17s 6d; May
5,003 tons, S S Mosli, six to nine months, 9s; May-June
5,380 tons, S S Anna Knudsen, dirty, Aruba to United Kingdom, Continent, 16s 6d; May
—— tons, two tankers, dirty, Gulf to Dunkirk, 17s 6d; May
4,970 tons, S S Inneroy, dirty, Gulf to Havre, 18s; prompt
3,676 tons, S S Marietta, six to nine months delivery, 9s; April-May
3,651 tons, S S Leiesten, six to nine months
3,570 tons, S S Evina, dirty, Venezuela to United Kingdom, Bordeaux, Hamburg range, 16s; May
4,991 tons, S S Pericles, reported gone; June
3,690 tons, S S Lustrous, dirty, Aruba to United Kingdom, Continent, 16s; April-May

Imports Detained

Detentions recently effected at various ports by United States authorities on determinaions by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act or did not comply with other customs regulations included the following articles for the reasons stated:—

New York

Week Ended April 13

Calcium chloride, solution, 1 case; not N.F.

Cassia oil, 20 drums; not U.S.P.

Cod oil, technical, 89,600 gallons; restricted use.

Coriander seed, 100 bags; filthy.

Medicinal preparations, 9 packages; false therapeutic claims.

Medicinal preparations, 1 case; dangerous to health.

Medicinal preparations, 1 case; below professed standard.

Medicinal preparations, 1 case; misbranded as to composition.

Stramonium leaves, 56 bales; not U.S.P.

Boston

Week Ended April 13

Cod oil, technical, 8,077 gallons; restricted use.

Los Angeles

Week Ended April 7

Medicinal preparations, 22 pieces; false therapeutic claims.

Philadelphia

Week Ended April 13

Cod oil, industrial, 130 drums; restricted use.

Fennel seed, 57 bags; filthy.

San Francisco

Week Ended April 7

Medicinal preparations, 320 pieces; false therapeutic claims.

Medicinal preparations, 296 pieces; alcohol not declared; false therapeutic claims.

Seattle

Week Ended April 7

Cod liver oil, 3 drums; vitamin D deficiency.

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district office or cooperative office of the bureau and not to this publication. When writing give the number of the item:—

Acetone:—Purchase; Copenhagen, Denmark (6095).

Alum:—Agency; Trinidad, West Indies (6038).

Aluminum and bronze powders:—Agency; Toronto, Canada (6007).

Bags, paper, for all lines:—Trinidad, West Indies (6038).

Cellulose acetate:—Purchase; Stockholm, Sweden (6006).

Drugs:—Ciudad Trujillo, Dominican Republic (6008).

Dry colors:—Agency; Toronto, Canada (6007).

Emulsifiers readily soluble in mineral oils:—Purchase; Prague, Czechoslovakia (6073).

Galalith and pyroxylin plastic in tubes and rods, all colors:—Purchase; Olomouc, Czechoslovakia (6073).

Margarin:—Purchase; Valletta, Malta (6019).

Pharmaceutical products:—Agency; Cairo, Egypt (6050).

Polish raw materials:—Purchase; Cairo, Egypt (6088).

Rosin:—Agency; Rio de Janeiro, Brazil (6031).

Toilet preparations:—Purchase and agency; Alexandria, Egypt (6094).

Oils, Fats and Waxes

Fish Oils

—Continued from page 39

transactions were traced in this market and word from the sourthern portion of the state was to the effect that no trading was involved. The price on crude California sardine oil rests nominally at a point of 40c. per gallon, tankcar basis through second hand sellers. No oil is known to be in the hands of producers.

Figures on oil reduction, released this past week by the California Sardine Products Institute in San Francisco reveal that at the end of February the total seasonal production of California sardine oil amounted to 11,607,393 gallons. This was for the period from August 1, 1937, to February 28, 1938. Of this quantity, shore plants accounted for 9,127,662 gallons and floating reduction plants 2,479,371. Compared with the previous season there were 22,628,029 gallons produced during the same period, shore plants manufacturing 13,593,988 and floaters 9,034,041 gallons.

Production during the month of March, which was confined to the Southern California area has as yet to be heard from, but it is taken for granted that this will show up in a small way.

Baltimore, Apr. 13.—The last week was again devoid of trading in menhaden fish oil, with not a single transaction reported from any area, and with no actual quotations advanced either by potential buyers or by sellers. The talk, however, ranged around 35c. per gallon as the figure that might bring out business sooner or later. Meanwhile, nothing is being done in any of the fishing areas, but with operations off the Florida coast expected to start some time the latter part of this month. The prospect as to the North Carolina area is always more or less uncertain, with no general effort made to have the fishing boats go out on the grounds in the Spring.

Fats and Greases

Grease. — The market appeared to have a steadier undertone. Offerings were light and quotations were said to be more or less nominal. Business was limited to unimportant quantities.

Lard.—Cash quotations had a downward trend at times in company with futures in Chicago where speculative sentiment appeared to be influenced mainly by weakness in grain and expectations of larger hog receipts as a result of better weather. Domestic and foreign trade was quiet.

Stearin.—The market had a steady tone. The inquiry from consumers continued to be reported as light.

Tallow.—The tone of the market remained steady. There were reports of a somewhat better inquiry. Such transactions as were reported were limited to moderate quantities but the movement of such lots showed some increase over the previous week. Offerings here were light and the situation in outside centers seemed to be similar in this respect.

Trading in tallow futures on the New York Produce Exchange from April 9 to April 15, inclusive, comprised 7 contracts, a total of 420,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	5.30	5.25	5.32@5.45
August	5.45	5.45	5.48@5.60
September	5.60	5.60	5.62@5.70

Markets at Other Centers

Chicago, Apr. 14.—The purchasers of cash lard are taking their time, with the speculative markets recently proving quite unsettled. Prices are still much below a year ago. Shipping trade is fair.

The range of lard quotations from the opening Saturday, April 9, to the close Thursday, April 14, is shown in the following table:—

	Per 100 pounds				
	Open.	High.	Low.	Close.	Previous Friday.
Cash	$8.35	$8.37	$8.10	$8.37	$8.35
May	8.35	8.37	8.02	8.37	8.35
July	8.57	8.60	8.25	8.60	8.55

TALLOWS (tierces).—Edible, 5⅛c. to 5¼c. per pound; prime, 5c. to 5¼c.; fancy, 5⅛c. to 5¼c.; special, 4⅝c. to 4¾c.; No. 1, 4¼c. to 4½c.

GREASES (tierces).—Choice white, 5¼c. to 5½c. per pound; A white, 4¾c. to 5c.; B white, 4½c. to 4¾c.; yellow, 10-16, 4¼c. to 4½c.; yellow, 16-20, 4⅛c. to 4¼c.; brown, 4c. to 4⅛c.

STEARINS (barrels).—Prime oleo, 6½c. to 6¾c. per pound; lard, packages, 8¾c. to 9c.; A white grease, 5½c. to 5¾c.; yellow grease, 4¾c. to 5c.; extra oleo stocks, 8¼c. to 8¾c.; No. 2 stocks, 7¾c. to 8¼c.

Liverpool, Apr. 14.—Quotations per cwt. on refined American lard were as follows:—

	Spot.	May.	July.	Oct.
	s. d.	s. d.	s. d.	s. d.
Saturday	49 6	44 0	44 6	45 6
Monday	49 6	43 9	44 6	45 6
Tuesday	48 6	43 3	43 6	44 6
Wednesday	48 6	42 9	43 6	44 0
Thursday	48 0	42 9	43 3	44 3

Liverpool, Apr. 14.—Quotations per cwt. on tallow were as follows:—

	Choice.	Fine, good mixed.
	s. d.	s. d.
Saturday	21 3	19 3
Monday	21 3	19 3
Tuesday	21 9	19 3
Wednesday	21 9	19 3
Thursday	21 9	19 3

Animal Oils

Degras.—The market appeared to have a steadier tone although there was apparently little change in the attitude of consumers, few inquiries being reported. Offerings were light on spot and for shipment.

Lard.—Quotations were stationary and the tone of the market appeared to be steady. There were reports of a fair inquiry for small or moderate quantities for prompt shipment.

Neatsfoot.—Prime oil was reduced ¾c. per pound. Quotations on other grades remained where they stood in the previous week. Business was reported as quiet.

Oleo.—The market had a steady tone, quotations being held at previous levels. Consumers were generally disposed to adhere to a conservative course in making purchases.

Markets at Other Centers

Chicago, Apr. 14.—Animal oils reflect some uncertainty on the part of both buyers and sellers. The tone of the market has been somewhat easy recently.

LARD.—No. 1, 8c. to 8½c. per pound.

OLEO.—No. 2, 8c. to 8½c. per pound.

TALLOW.—Acidless, 7¼c. to 7¾c. per pound, tanks; 8½c. to 9c., drums.

Waxes

Bees. — Business was exceptionally quiet last week and consisted usually of comparatively small and not very numerous orders that just about covered the immediate requirements of those who bought. The price position was fairly steady, although from time to time reports of price shading were noted and, oftentimes, confirmed. Open change in schedules was lacking. Stocks were ample to meet a reasonable improvement in consuming needs.

Candelilla.—Reports were contradictory again. There were reports of goods being available at less than the official minimum of 14c. per pound, and there were still other reports of a short interest being unable to get these alleged offerings. In the meantime, the representative of the Mexican shippers kept firm prices and awaited new developments.

Carnauba.—Business was very light. Demand was so small that the substructure of the market continued in weakened condition. While open quotations were unchanged in most prominent quarters, it was admitted that occasional need for cash in hand would lead to the granting of substantial concessions should attractive orders develop. However, such orders were lacking last week and in some measure it was a standoff on prices. Based on current replacement quotations, declared to be very firm in Brazil, profitable shading of quoted price schedules would be definitely restricted, if not impossible. Based on what present spot stocks cost, sales at quoted prices involved nothing but losses, according to the trade.

Japan.—Jobbing business was noted. Business was on a hand-to-mouth basis throughout the past week. The supply seemed ample in all directions. Replacement costs have varied little for some time past.

Howard Gasoline Fraud Suit Dismissed in N.J.

Trenton, Apr. 13, 1938

The suit of Dr. Francis A. Howard, Hoboken, alleging fraudulent acquisition of his secret of a high-power gasoline, was dismissed today by Vice-Chancellor Malcom G. Buchanan. The action was against the Standard Oil Company, the General Motors Corporation, and others, and sought an accounting of profits of $500,000,000. It alleged that high-power gasoline sold by the defendants was patterned on his "Vitagas" formula.

Vice-Chancellor Buchanan ruled that Dr. Howard had no legal right to maintain the suit he had instituted, because his company, the Howard-Vaughan Company, Niagara Falls, N. Y., had set up that it owned the secret process under a conveyance made in 1934.

Gasoline Freights Lowered

The New York Public Service Commission has approved new commodity freight rates on the following:—

Of the Delaware and Hudson on gasoline, kerosene, blended gasolines, petroleum fuel oil distillate; tankcars, estimated weight 6.6 pounds per gallon, minimum weight as per rule 35 of official classification, from Schenectady, Albany, Green Island and Troy to Delhi, 14c. per hundredweight reductions, expires June 30, 1938.

G. A. Wharry, of Wharry & Co., brokers in navel stores and vegetable oils, this city, returned April 11 from a business trip in the South.

Books You Can Use

Canning Foods

Canning Practice and Control. By Osman Jones and T. W. Jones. Waterproof fabric; 254 pages, 6½x9¾ inches. New York: Chemical Publishing Company. $10.

This is something of a pioneer work in description of the direct, practical side of the preservation of foodstuffs by hermetically sealing and processing them in metal containers. Its scope is restricted to this one method of packing. Meant as a working manual, it provides a compilation of the principles of methods and procedures. In cases where detail amplification is desirable the work supplies this detail.

The authors first present a general background of the canning industry. Then they describe the production phase of canning by treating such subjects as plant construction and equipment selection and the choice and handling of containers before and after filling.

Processes of Ebullition

Ebulliometry—The Physical Chemistry of Distillation. By Wojciech Swietoslawski. Second Edition. Cloth; 204 pages, 5½x8½ inches. New York: Reinhold Publishing Company. $3.

This is a compilation of the information known to date on the construction and technic in the use of ebulliometers in the examination and analysis of liquid and solid substances. Among the topics included in the text are the general principles of ebulliometry technic, the classification of liquid mixtures, examination of the purity of liquid substances, the examination of the degree of thermal decomposition of substances, the application of ebulliometers in the determination of equilibrium constants, the examination of adsorption phenomena, and the examination of liquid substances serving as physico-chemical standards.

Much of the information published in this volume is the result of work carried out at the National Bureau of Standards and at the Warsaw Polytechnic Institute, the department of physical chemistry of the latter institution having done considerable work on the subject.

Holding Back Reactions

Retardation of Chemical Reactions. By Kenneth C. Bailey. Cloth; 477 pages, 6¼x9¼ inches. New York: Longmans, Green & Co. $8.

A wealth of information has long been available on the subject of catalysis and its many applications. The same cannot be said of the opposite subject—negative catalysis. While many workers have studied and commented on various phases of negative catalysis, no compilation of all work of any importance has been available. This book will overcome that deficiency to a large extent.

On every side are manifestations of the importance of negative catalysis, or the retardation of chemical reactions. The oxidation of materials which are better unoxidized, the aging of rubber, the deterioration of chemicals, foods, oils, and innumerable other materials, knocking of internal combustion engines, and firedamp explosions in mines—all are examples of undesirable reactions which have been counteracted to a lesser or greater extent by the application of negative catalysis.

The above topics and numerous miscellaneous problems make this book interesting reading for the non-specialist chemist, and yet, because the author does include in a small face type many experimental details and accounts of researches on special problems, the book also will be welcomed by those research workers engaged in narrow fields of investigation.

Polymers—How, Why, and What

Polymerization. By Burk, Thompson, Weith, and Williams. American Chemical Society Monograph. Cloth; 312 pages, 6¼x9¼ inches. New York: Reinhold Publishing Corporation. $7.50.

The object of the authors was to collect the facts and theories relative to the subject of polymerization and its applications. They have accomplished much. Their book presents in its early chapters a complete groundwork of polymerization in general, and follows this with several chapters discussing the application of polymerization in the fields of rubber, synthetic resins, and petroleum. These fields were chosen for specific treatment since in them polymerization plays an obviously important part.

Making Lubricants

Modern Methods of Refining Lubricating Oils. An American Chemical Society Monograph. By Vladimir A. Kalichevsky. Cloth bound, 235 pages, 6¼x9¼ inches. New York: Reinhold Publishing Corporation. $6.

The manufacture and refining of lubricating oils has in recent years undergone widespread changes. In order to keep abreast the rising lubrication requirements of modernized mechanical equipment there has been a continuous search for oils with superior lubricating qualities or with specific qualities to meet the needs of specialized usages. A foremost feature in this search has been the development of the solvent process for refining lubricating oils, in which selective solvents are employed to remove from the lubricating stock those components which are known to be detrimental to its lubricating quality.

Taken as a whole, this compilation of the above and other subjects is the first systematization of the knowledge available on solvent refining, and a classification of those processes which have been adopted for commercial application. Moreover, increasing its value to every petroleum chemists are the comprehensive references to the literature and patents of the many processes not commercially applied, thus facilitating the evaluation of their merits.

Data for Chemists

The Chemists' Year Book: 1937. Founded by F. W. Atack; edited by E. Hope, M.A., D.Sc. Special American edition. Cloth; 1257 pages, 4 by 6 inches. New York: Chemical Publishing Company. $6.

This is one of those books for which everybody is looking sometime or another when faced with the continually recurring question, "Say, what do you know about ———?" It is one of the good books of this sort, for which reason it has gone through eighteen editions.

It is impossible to tell in less space than the book itself what this handbook contains. There are about 800 items in the index and many of these have to do with several hundred articles—so the volume of the data is evident. Their value is readily discoverable in the pages.

Of course this book contains the atomic weights tables. It likewise has the customary chapter on physico-chemical constants—a matter of 137 pages—and an expansive tabulation of properties, comprising minerals, inorganic compounds, and organic compounds, to a total of 290 pages. There are many pages on the important subject of solubilities, which is of everyday interest to—well, almost everyone.

Such useful but unusual information as pharmaceutical names of synthetic compounds and composition of synthetic dyestuffs is included. The fifty-six general subjects also include qualitative and volumetric analyses, agricultural chemistry, identification of dyestuffs on fiber, fuels, illuminants, and lubricants, mathematical tables, paints and pigments, manufacture of acids and alkalies, patent law and chemical invention—and about everything else that almost anyone would want to know "what about."

A 50-Year Economic Battle: a Review of the Taxation of Margarin. Mimeographed bulletin of 30 pages; issued by Benton & Bowles, Inc., 444 Madison avenue, New York.

Du Pont Distributing Chart On Acidity of Fertilizers

The ammonia department of E. I. du Pont de Nemours & Co. has recently published a handy chart giving the nitrogenous content of fifty fertilizer materials most commonly used, together with their equivalent acidity or basicity. The chart covers inorganic nitrogen products, chemical organics and natural organics, as well as potash salts, phosphates and miscellaneous materials such as dolomite, calcium, limestone, gypsum, copper sulphate and manganese sulphate. The acidity of basicity is expressed in pounds of calcium carbonate per 100 pounds of product, and the method of calculating the acidity of a fertilizer mixture is fully explained. The chart may be obtained by writing direct to the company at Wilmington, Delaware.

Trade Briefs

Robert J. Barbour, of the Bakelite Corporation, this city, has been elected vice-president of the Technical Publicity Association.

Edward A. Phoenix, assistant sales promotion manager for Johns Mansville Corporation, this city, has been elected president of the Technical Publicity Association.

Soap manufacturers in Haiti have been listed by the Bureau of Foreign and Domestic Commerce. The lists are available to accredited American firms at 10c. a copy.

Robinson Wagner, chemical importer and manufacturer, located at 24 State street, this city since 1934, has taken larger office space adjacent to its plant at 129 Fifty-first street, Brooklyn.

Sulphur exploitation in the Beersheba district of Palestine is to be undertaken near Gaza by Sulphur Quarries, Ltd., a new concern, backed, at least in part, by British capital.

C. H. Whiteman, personnel director for the Mathieson Alkali Works, in Saltville, Va., was named chairman of the exhibits committee of the Fourth Virginia statewide safety conference, to be held in Norfolk June 3-4.

L. A. Bidel, president of Minerals Trading Corporation, importer of diomataceuous earth, barytes, etc., 17 Battery place, returned recently from an extended trip to France and Algiers, where he visited his principals.

Devoe & Raynolds, Inc., poster content which seeks to produce an example that will compel motorists to drive safely, closes April 29. First prize will be $1,000. Inquiries about the contest should be directed to the company, 34 Oliver street, Newark.

B. H. Brewster, jr., of the Baugh Chemical Company, fertilizer manufacturer, Baltimore, was the guest of honor at a dinner given by some 200 friends April 7 in the Hotel Belvedere. United States Senator George L. Radcliffe was the principal speaker.

J. A. Tumbler, head of the J. A. Tumbler Laboratories, manufacturer of metal polish at 423 South Hanover street, Baltimore, is back from a business trip to Europe, which took him to Austria just before the annexation by Germany, and to Munich, Paris, London, and other cities.

Aniline Chemical Manufacturing Company, Rutherford, N. J., has a complaint of insolvency filed against it. William Henig, of Hackensack, N. J., has been appointed receiver. The court has ordered all interested parties to show cause April 18 why the receivership should not be continued.

H. H. Power, of the Department of Petroleum Engineering, University of Texas, Austin, Texas, has been named national chairman of the 1938 topical committee on production technology of the American Petroleum Institute's central committee on drilling and production practice.

Torvic Laboratories, Inc., Hagerstown, Md., has been incorporated under Maryland laws, with a capital of 100,000 shares of $1 a share par value. The company, of which Russell J. Powers, Omer T. Kaylor and Herbert H. Jennings were the incorporators, will undertake the manufacture of medicated tablets.

Interchemical Company, of which E. W. Pittman is president, recently sold, without public offering, $2,500,000 of ten-year 4¼ percent sinking fund debentures. The proceeds were used to retire indebtedness to banks, which amounted to $1,250,000 at the end of last year, and to provide for expansion and development of new projects.

Armstrong Cork Company stockholders will vote at a special meeting, June 13 on a proposal to issue 60,000 shares of new $100 par 4 percent cumulative preferred stock, and to increase by 100,000 shares in the authorized common stock. Of the new preferred stock issue, 34,000 shares will be used for the purchase of the glass container business of the Whitall-Tatum Company.

Baltimore Paint Salesmen's Club was addressed by George H. Elliott, jr., associate engineer of the Baltimore Bureau of Public Works, at its April meeting. The club admitted to membership Albert Huth, of Charles H. Carlin; C. B. Athey, of the C. M. Athey Paint Company; S. F. Sibert, of B. F. Drakenfeld, and Kester Masingham, of the Felton-Sibley Company.

Toilet Goods Ass'n Issues Convention Rates

The Toilet Goods Association will hold its annual convention in the Hotel Biltmore, this city, May 24 through 26. The convention will open at 10:00 a.m., May 24, with business sessions to follow each morning and afternoon. Luncheon will be served daily at 12:30 p.m. adjacent to the convention floor.

The entertainment program includes a theatre party and supper on May 24, and a ladies' bridge at the hotel and golf at the Canoe Brook Country Club for the men, May 25. The convention will come to a close May 26 with a banquet, followed by dancing. Rates are as follows:—Complete booklet, includes three luncheon tickets, theatre tickets, supper dance, golf entry or ladies' bridge, banquet, etc., $25; theatre and supper dance only, $10; banquet only, $5; extra luncheon tickets, $2.50; golf, $5. Walter P. Murray of the Continental Can Company, 100 East Forty-second stret, this city, treasurer of the association, is handling arrangement, and Charles E. Kelly, of Hagerty Brothers, this city, is chairman of the entertainment committee.

Obituaries

—*Continued from page* 24

facture and development of incandescent gas lights. The University of Pennsylvania conferred the honorary degree of Doctor of Science on him in 1919 and Lehigh University honored him similarly in 1922. During the World War he was an advisory member of the Naval Consulting Board. He was for two years chairman of the American section of the Society of Chemical Industry and was a former president of the Philadelphia section of the American Chemical Society. Surviving are wife and daughter.

Dr. Walter T. Taggart

Dr. Walter Thomas Taggart, professor emeritus of chemistry at the University of Pennsylvania, died April 10 in his home in Mount Airy, near Philadelphia. He was sixty-five years of age.

Dr. Thomas graduated from the University of Pennsylvania in 1896, and later took his Ph.D. degree there, and later studied at the Universities of Berlin and Goettingen, Germany. He joined the University of Pennsylvania faculty in 1896. In 1900 he assisted the late Professor Edgar Fahs Smith in translating Richter's "Inorganic Chemistry." During the World War he served in the nitrate division of the chemical expert ordnance department of the United States Army. From 1925 to 1932 he served as chairman of the United States Assay Commission. He was a member of many chemical societies in the United States and Europe.

Surviving are two sisters. His wife, Mrs. Inez Marquez Forbes Taggart, died in 1928.

Frank E. Wheeler

Frank E. Wheeler, an executive of W. R. Grace & Co., for the past sixteen years, died of a heart malady in Asheville, N. C., April 10. He was sixty-five years old. Mr. and Mrs. Wheeler were motoring from Florida to their home in White Plains, N. Y.

years old. Mr. and Mrs. Wheller were entered the banking business soon after finishing school. He had been senior vice-president of the Grace National Bank since 1924, and was vice-president and a director of the Nitrate Agencies Company. Surviving, besides his wife, are a son and daughter.

Harry Allen Clark, manager of the smelter division for the Copper Queen branch of the Phelps Dodge Corporation, died of a cerebral hemorrhage in his home in Douglas, Ariz., April 1.

Harold L. Engle, Connecticut sales representative for A. C. Horn Company, paint, varnish and lacquer manufacturer, Long Island City, died April 12, from a heart attack after alighting from his automobile which had rolled over an embankment along a road in Westport, Conn. He had been associated with the Horn company since January 1. He was formerly with F. O. Pierce & Co. and Longmann & Martinez.

Mrs. Josephine Gillespie Erskine, widow of Charles Wesley Erskine, shellac and gum importer, died in her home April 11 after a long illness. Surviving are a daughter and a son, a sister, and three brothers, John, James and Samuel Gillespie.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 59 John Street, New York

Agents Wanted

PAINT and varnish salesmen, now actively covering retail and jobbing trade, opportunity to increase earnings handling paint and varnish remover—nationally known brand—as side line. Commission. State territory now covering. BOX "R" Metropolitan, 92 Liberty street, New York.

Equipment Offered

CONSOLIDATED OFFERS for sale—Five Sweetland filters, up to No. 12; twenty plate-frame and recessed types filter presses, iron, bronze, wood, all sizes; forty centrifugal machines up to 60 inches; twenty-five copper jacketed kettles with and without agitators, up to 500 gallons; vacuum dryers, W. & P. mixers, rotary dryers, pulverizers, tanks, kettles, etc. Send us your inquiries. Consolidated Products Company, Inc., 15-17-19 Park Row, New York, N. Y.

FOR SALE—two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FIND WHAT you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street. SPring 7-8955.

Equipment Offered

FOR SALE—3 feet by 15 feet rotary vacuum dryer; Hardinge conical mill 6 feet by 36 inches; pebble mills 54 inches by 42 inches, 36 inches by 42 inches, 30 inches by 18 inches, 15 inches by 18 inches; jar mills; Anderson expeller; filter presses 18 inches and 24 inches square: Stedman 42 inch disintegrator; W. & P. jack, mixer size 15; tablet machine ½ inch to 2 inches, single punch and rotary; filling machines, liquid and paste; grinders, pulverizers, roller mills, pumps, copper and glass lined kettles and tanks, etc. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Equipment Wanted

HEAVY ALUMINUM or enameled kettle, preferably with jacket and cover, 100 gal. capacity. Must be first class condition. State price and details. BOX 805, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY.—Two story, 32,000 sq. ft., sprinklers, elevator, high ceilings, railroad siding, yard, live steam available 24 hours a day. Unrestricted district, 15 minutes to Manhattan. Low Rent. The R. L. Kraft Company, COrtlandt 7-9377.

Positions Wanted

EXECUTIVE with wide industrial experience is seeking larger responsibilities with progressive concern. Especially interested in proper correlation of production, research and marketing. Excellent assistant to president or works manager. BOX 762, Oil, Paint and Drug Reporter.

CHEMIST—GRADUATE, 24 years age, B.S. chem., two years experience formulating paints, varnishes. Special experience formulating synthetic industrial finishes. Desires position in laboratory or sales in New York City or 50 mile radius. BOX 761, Oil, Paint and Drug Reporter.

CHEMIST—Recent graduate, B. S. in chemistry, with some experience in paint and varnish laboratory, desires opportunity. Salary secondary, location immaterial. BOX 804, Oil, Paint and Drug Reporter.

SUPERINTENDENT, paint manufacturing or plant manager. Twenty-five years' practical experience in the manufacture of paints, railroad, marine and industrial specialties. Practical knowledge of the manufacture of varnishes, japans, driers, etc. Thorough knowledge of chemistry of paints and varnishes. Open for position. BOX 806, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER having more than fifteen years' experience in the formulation and manufacture of paints and varnishes. BOX 807, Oil, Paint and Drug Reporter.

Positions Wanted

PHYSICAL CHEMIST, Ph.D. 1937, who has specialized in the properties of alkyl iodides. BOX 808, Oil, Paint and Drug Reporter.

CHEMIST (Woman), thoroughly trained, who has had two years' experience in office work. Can type and take dictation. BOX 809, Oil, Paint and Drug Reporter.

Services Offered

WE HAVE facilities for manufacturing, drying, grinding, pulverizing, mixing and packing special chemicals. Location, Brooklyn. Let us quote on your requirements. BOX 797, Oil, Paint and Drug Reporter.

Surplus Stock

BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

CHECK INVENTORIES — Cash for any quantity, surplus finished or raw material —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0134.

From Cape Horn to Alaska

Consolidated's Guaranteed Rebuilt Equipment **is giving Satisfactory Service. We're prepared to serve You, too!**

• ***See our classified listings above—Write us for complete listings.***

CONSOLIDATED PRODUCTS CO., Inc.
15-17-19 Park Row, N. Y. C., BArclay 7-0600
Plant: 335 Doremus Avenue, Newark, N. J.

SPECIALS

1—Shriver 12" x 12" Aluminum Filter Press with Shriver Bronze Diaphragm Pump.
1—Shriver 24" x 24" BRONZE Filter Press.
1—Shriver 30" x 30" Filter Press, 29 plates and frames.
1—Sperry 32" x 32" Filter Press, 37 plates and frames.
3—Shriver 36" x 36" Filter Presses, 23 to 48 plates and frames.
1—Shriver 42" Wood Filter Press, 48 chambers.
Also complete line of chemical, paint, drug and oil equipment.

BRILL EQUIPMENT CORPORATION
183 Varick St., New York, N. Y.

Today's BIGGER Dollar Will Buy MORE in

REBUILT EQUIPMENT

Guaranteed Good-as-NEW

Complete Copper Distilling Unit, consisting of Still-pot and 30 in. Column with auxiliaries.

Fletcher 48 in. center-slung rubberized extractor, motor driven.

Tolhurst 60 in. center-slung all bronze extractor, motor driven.

Devine 3 ft. x 15 ft. rotary dryer, complete with dust collector, condenser, pump, etc.

2—Vertical closed mixing tanks, 6 ft. diameter and 6 ft. deep.

1—Day "Jumbo" jacketed horizontal mixer.

2—Copper vacuum pans, 6 ft. and 7 ft. diameter, jacketed and with additional internal copper coils.

1—Pan Dryer, 10 ft. diameter, suitable construction for vacuum operation.

SURPRISINGLY LOW PRICES

EVERY PIECE GUARANTEED
Send for Complete Description

FIRST MACHINERY CORP.
419 Lafayette St. New York, N.Y.
LIQUIDATORS APPRAISERS
Cable: EFFEMCY

Asbestos Output Up 27 Percent in 1937

The output of asbestos in the United States in 1937 amounted to 13,896 short tons as compared with 10,924 in 1936, according to the Bureau of Mines, Department of the Interior. The quantity sold or used by producers totaled 12,079 short tons, against 11,064 in 1936.

Imports in 1937 aggregated 307,188 short tons, against 243,602 in 1936. Exports in 1937 amounted to 3,004 short tons, against 243,602 in 1936. Exports in 1937 amounted to 3,004 short tons, against 3,744 short tons in 1936. Apparent consumption, based on quantity sold or used by producers plus imports minus exports, totaled 316,263 short tons, against 250,922 short tons in 1936.

Chemical Industry Society Hears Dr. Morey on Rock Formation

A meeting of the American section of the Society of Chemical Industry, jointly with the American Chemical Society, was held last evening at the Chemists' Club, this city. James G. Vail was the chairman. The guest speaker was Dr. George W. Morey of the Geophysical Laboratory, Carnegie Institution of Washington, whose subject was "Rock Formation: Nature's Chemical Industry."

In his discussion Dr. Morey showed how each of the chemical processes by which the variety of rocks and minerals have been produced in nature are prototypes of present day methods and processes used by the chemical engineer who applies them in industrial separation of minerals and ores.

Radium Dial Loses Test Case

The Radium Dial Company has been ordered by the Illinois Industrial Commission to pay Mrs. Catherine Wolf Donohue a cash settlement of $4,755 for a poisoning she claimed to have contracted while working for the Radium company when it was located in Ottawa, Ill. The company has since moved to New York city. In addition, the decision provides that plaintiff receive $11 a week from last April 1 to June 1, 1940. From the latter date the company was ordered to pay an annual pension of $277 for the remainder of her life. This case was said to be a test case for fourteen other women claimed to have been poisoned.

British Chemical Exports Exceeded Imports in 1937

Imports of chemicals and allied products into Britain approximated $24,724,600 in 1937, with all major groups sharing in the 13 percent gain—particularly raw materials such as sulphur, pyrites, certain gums, phosphate rock, essential oils, borax, calcium carbide, carbon black and plastic materials. Following gradual reductions in imports of perfumery and proprietary medicinals during recent years, receipts of these products also advanced substantially last year. Exports of chemicals and related products aggregated $29,688,000 in 1937. Gains were recorded in shipments of coal tar products, cresylic acid, sodium compounds, paints, medicinals, perfumery, and toilet preparations.

E.F. Maloney Vice-President Of Atlantic Research Associates

Edward F. Maloney has been elected vice-president and a director of the Atlantic Research Associates, Newtonville, Mass. Mr. Maloney, who joined the organization January 1 as manager of the paint and pigment division, will succeed A. A. Stickler as vice-president. However, Mr. Stickler will remain as a director of Atlantic Associates, as well as treasurer of the parent company, National Dairy Products Corporation. Mr. Maloney fills the vacancy on the directorate of the Atlantic organization which was created by the resignation of Fred Kraft, of the Kraft-Phenix Cheese Corporation, who recently assumed new duties for that company in England.

California Institute of Technology, Pasadena, has been awarded a grant of $300,000 for research in organic chemistry, by the Rockefeller Foundation. The fund becomes operative July 1.

American Petroleum Institute Appoints Committee Chairmen

American Petroleum Institute has appointed the following committee chairmen: Central committee on refinery technology, N. E. Loomis, of the Standard Oil Development Company; accident prevention in refineries, Glenn Byers, of the Shell Petroleum Company, St. Louis; topical committee on materials of the central committee on drilling and production practice, E. F. Kindsvater, of the Phillips Petroleum Company, Bartlesville, Okla.; group 1 sub-committee on national gasoline, S. S. Smith, of the Shell Petroleum Company, St. Louis.

Asphaltum Freights Revised

The New York Public Service Commission has approved new commodity freight rates as follows:—

Of carriers in New England territory, on asphaltum, natural by-product or petroleum; carloads, minimum weight 40,000 pounds, except when in tank cars, in tank cars subject to rule 35 of Official Classification, from stations in Boston, Lowell and New York area groups to points in Central Freight Association territory. Present rates increased 1c. per hundredweight, effective March 3.

Gasoline Freights Reduced

The New York Public Service Commission has approved new commodity freight rates on the following:—

Of the Baltimore & Ohio Railroad on gasoline, kerosene, blended gasolines, petroleum fuel oil, distillate; tankcars; from Limestone and Irvine Mills to Gowanda, 7½c. per hundredweight, reduction 2½c. per hundredweight; from Wellsville to Buffalo, 12½c. per hundredweight, reduction 2½c. per hundredweight, effective April 1; from Utica to River Works, 9c. per hundredweight, effective April 10.

American Petroleum Institute Production Div. Met Apr. 14

The annual meeting of the Eastern district of the American Petroleum Institute's division of production was held at the William Penn hotel, Pittsburgh, April 14 and 15. The Eastern district officers, under whose sponsorship the meeting was held, include Chairman, F. E. Eckert; vice-chairman, Sylvain Pirson, Christy Payne, jr., D. T. Ring, F. A. Benkert, J. J. Schmidt and O. W. Van Petten; secretary-treasurer, T. H. Myers.

Bob Betts, advertising counsel for the Bay Refinery Company, Denver, Colo., has been elected vice-president of the Lakeside Baseball Association, a local affair.

Derby Oil & Refining Company stockholders approved the action of directors in offering to preferred stockholders a dividend not to exceed two and one-half shares of common stock to be valued at $5 a share to apply on arrears of preferred dividends.

Index to Advertisements

Advance Solvents & Chemical Corp.... —
Alexander, Jerome..... 52
American Agricultural Chemical Co... 34
American-British Chemical Supplies, Inc. ..... —
American Can Co..... —
American Cyanamid & Chemical Corp. —
American Flange & Mfg. Co..... —
American Potash & Chemical Corp..... 42
Anderson-Prichard Oil Corp..... 50
Ansbacher-Siegel Corp..... 36
Apex Chemical Co., Inc..... 42
Ashcraft-Wilkinson Co..... 25
Associated Chemical Engineering Corp. 52
Atlantic Refining Co..... —
Atlantic Research Associates..... 34
Atlas Powder Co..... —

Barium Reduction Corp..... 26
Barrett Company 28, 51
Barsky & Strauss, Inc..... 52
Belle Alkali Co..... 1
Bemis Bro. Bag Co. ..... —
Benzol Products Co..... —
Binney & Smith Co..... 20
Bradley, A. J., Mfg. Co..... 35
Brill Equipment Corp..... 60
Brode Corp., The..... 38
Bureau of Chemistry..... 52
Bush, W. J., & Co., Inc..... —

Calco Chemical Co..... —
California Fruit Growers Exchange.... 62
Campbell, Harry T., Sons Co..... —
Carbide & Carbon Chemicals Corp..... 2
Carey, The Philip Co..... —
Carpinello, Michael J., Inc..... 52
Chemical Solvents, C. P., Inc..... 62
Chilean Nitrate Sales Corp..... —
Church & Dwight Co..... 1
Colledge, E. W., General Sales Agent, Inc. 34
Colton, Arthur, Co..... 62
Columbia Alkali Corp..... —
Columbian Carbon Co. ..... —
Commercial Solvents Corp..... —
Conewango Refining Co..... —
Consolidated Products Co., Inc..... 60
Consumers Import Co., Inc..... —
Continental Can Co..... —
Cooper, Chas., & Co..... —
Cooper, T. G., & Co., Inc..... 37
Crosby Naval Stores Co..... —
Croton Chemical Corp..... —

Dal-Brun, A. G. 42
Darling & Co..... 38
Davidson, Harry H..... —
Day Chemical Co..... 52
Deep Rock Oil Corp..... —
Dewey & Almy Chemical Co..... —
Diamond Alkali Co..... 27
Dicalite Co..... —
Dodge & Olcott Co..... —
Doggett, Stanley, Inc..... —
Dow Chemical Co..... 43
Draper Mfg. Co..... —
Drury, A. C., & Co., Inc..... 49
Dunkel, Paul A., & Co., Inc..... 45
Du Pont de Nemours, E. I., & Co..... 1

Eastern Steel Barrel Corp..... —
Eastman Kodak Co..... —
Ehrmann Strauss Co., Inc..... —
Electro Bleaching Gas Co..... 17, 18
Ellis-Foster Co..... 52
Emery Industries, Inc..... —
Exporters & Manufacturers Translation Bureau 52

Falk & Co..... —
Fezandie & Sperrie..... 31
First Machinery Corp..... 60
Fluorine Products..... 26
Food Research Laboratories, Inc..... 52
Frank-Vliet Co..... —
Franks Chemical Products Co..... —
Freeport Sulphur Co..... —
Fritzsche Bros., Inc..... 47, 49
Fulton Bag & Cotton Mills..... —

General Chemical Co..... —
General Drug Co..... 48
General Dyestuff Corp..... —
General Electric Co..... —
General Plastics, Inc..... 33
Givaudan-Delawanna, Inc..... —
Goodman, Rex, M.D..... 52
Gray, William S., & Co..... 1
Gray Industrial Laboratories..... 52
Greeff, R. W., & Co., Inc..... 41
Gross, A., & Co..... 37
Gruman, J. B., & Co..... 54

Hardesty, W. C., Co., Inc..... 37
Harshaw Chemcial Co..... 61
Heekin Can Co..... —
Heyden Chemical Corp..... 41
Hinde & Dauch Paper Co..... —
Hochstadter Laboratories..... 52
Holt, C. J., & Co., Inc..... 52
Hoover, Geo. W. 52
Hopkins, J. L., & Co..... 45
Huisking, Chas. L., & Co., Inc..... —
Hutchinson, D. W., & Co., Inc..... 47

Imperial Oil & Gas Products Corp..... 35
Imperial Paper & Color Corp..... 35
Independent Mfg. Co..... —
Industrial Chemical Sales Div..... 36
Industrial Consulting Labs., Inc..... 52
Innis Speiden & Co..... 62
International Pulp Co..... —
International Selling Corp..... —
Irvington Smelting & Refining Works... 25

Jackson, L. N., Co., Inc..... 38
Jaite Co..... —
Jones & Laughlin Steel Corp..... 29
Jungmann & Co., Inc..... 26

Kellogg, Spencer, & Sons, Inc..... —
Kentucky Color & Chemical Co..... 34
Kessler Chemical Corp. ..... —
Knight, B. H..... 52
Koppers Co..... 29
Koster Keunen..... —
Krebs Pigment & Color Corp..... —

Laning, E. M., & Co., Inc..... 52
LaWall & Harrisson..... 52
Lenape Trading Co..... 45
Lewis, John D., Inc..... —
Lueders, Geo. & Co..... 47

Magnetic Pigment Co..... 20
Magnus, Mabee & Reynard, Inc..... 47
Mallinckrodt Chemical Works..... 6
Martens, Johan C., & Co..... 42
Martin, The L., Co..... 34
Mathieson Alkali Works, Inc..... —
Mathieu, A. H., & Co..... —
Merck & Co..... 40
Metasap Chemical Co..... 61
Miel, George A..... 52
Minnesota Specialty Co..... —
Molnar Laboratories..... 52
Monsanto Chemical Co..... —
Murray Oil Products Co..... 39
Mutual Chemical Co. of America..... 30

National Aniline & Chemical Co., Inc. —
National Lead Co..... —
National Milk Sugar Co., Inc..... 42
National Oil Products Co..... —
National Rosin Oil & Size Co..... 35
Natural Products Refining Co..... 31
Neuberg, William, Inc..... 42
Neville Co ..... —
New Jersey Zinc Co..... 21
N. Y. Quinine & Chemical Works, Inc.. —
Niacet Chemicals Corp..... 31
Niagara Alkali Co..... 17, 18
Nichols Copper Co..... —
N. V. Potash Export My, Inc..... —

Oldbury Electro Chemical Co..... 24
Orbis Products Corp..... 45
Orthmann Laboratories, Inc..... 52
Osborn, C. J., Co..... 35

Pacific Coast Borax Co..... 1
Pacific Vegetable Oil Corp..... —
Parsons, M. W..... 35
Pease Laboratories, Inc..... 52
Penick, S. B., & Co..... 44
Pennsylvania Coal Products Co..... —
Pennsylvania Oil Products Refining Co. —
Pennsylvania Refining Co..... 49
Pennsylvania Salt Mfg. Co..... —
Pfaltz & Bauer, Inc..... —
Pfizer, Chas., & Co., Inc..... 23
Polachek, Z. H..... 52
Potash Company of America..... —
Pressed Steel Tank Co..... —
Prior Chemical Corp..... 1
Procter & Gamble..... 37, 42
Publicker Commercial Alcohol Co..... —
Purdy, W. S. Co., Inc..... 52
Pure Calcium Products Division..... —

Quaker Oats Co..... —

R. A. Company..... 33
Rosenthal, H. H., Co., Inc..... 42
Royster Chemical Works..... 26
Ryland, H. C., Inc..... 47

Sadtler, Samuel P., Sons, Inc..... 52
St. Joseph Lead Co..... —
Schimmel & Co., Inc..... 48
Schofield-Donald Co., Inc..... —
Schwabacher, S., & Co., Inc..... 43
Schwarz Laboratories, Inc..... 52
Seil, Putt & Rusby, Inc..... 52
Sharples Solvents Corp..... —
Shell Petroleum Co..... —
Sherka Chemical Co., Inc..... 42
Sherwood Petroleum Co., Inc..... 49
Sievers, Cuno, Inc..... —
Silzle, Earl, Co..... 47
Skelly Oil Co..... 14
Smith, Kline & French Laboratories.... —
Snell, Foster D., Inc..... 52
Solvay Sales Corp..... 26
Sonneborn, L., Sons, Inc..... 62
Southern Steel Barrel Co., Inc..... —
Standard Ultramarine Co. 34
Stauffer Chemical Co..... 25
Stillwell & Gladding..... 52
Stroock & Wittenberg Corp..... —
Sun Oil Co..... —

Taintor Trading Co..... —
Tamms Silica Co..... —
Tar & Chemical Div. of Koppers Co.... 29
Tennessee Corp. 25
Texas Gulf Sulphur Co., Inc. ..... —
Thornton, The F. C., Co., Inc..... —
Thurston & Braidich..... 45
Titanium Pigment Corp..... —
Todd, A. M., Co..... 48
Turner, Joseph, & Co..... 25

Union Carbide & Carbon Corp..... 2
United Clay Mines Corp..... —
U. S. Industrial Alcohol Co..... —
U. S. Industrial Chemical Co..... —
U. S. Phosphoric Products Corp..... —
United States Potash Co..... 51

Vanderbilt, R. T., Co., Inc..... —
Victor Chemical Works..... 26
Viking Distributing Co..... —
Vorce, L. D..... 52
Wecoline Products, Inc..... 37
Weiss & Downs, Inc..... 52
White Tar Co. of N. J., Inc..... 29
Wiley & Co., Inc..... 52
Will & Baumer Candle Co..... —
Williams, C. K., & Co..... —
Wishnick-Tumpeer, Inc..... 8
Woburn Degreasing Co. of N. J..... —
Wolf, Jacques, & Co..... 47
Wood Preserving Corp..... 29

SOFT, LIGHT AND FLUFFY
HARSHAW CHROME YELLOWS

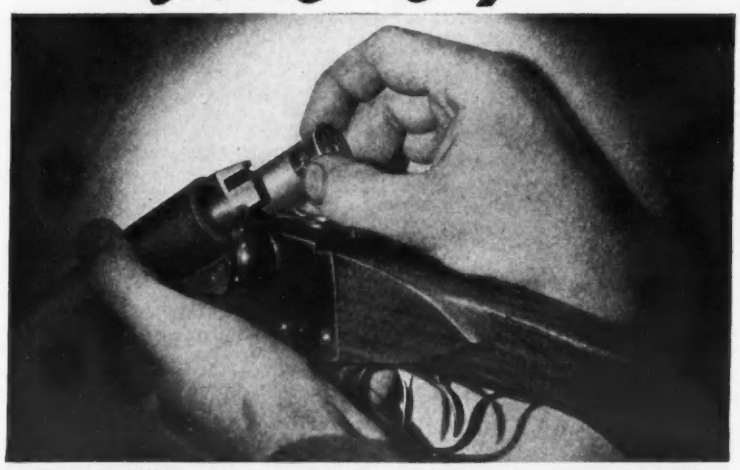
Soft—Light—Fluffy:—advantageous physical properties of Harshaw Lead Chromates, effecting ease in grinding, non-settling of the pigments and smoothness of the applied finished product.

Try these brilliant inorganic chrome yellows in production (all shades of primrose, lemon, medium and orange) . . . Send samples of your standards for matching.

THE HARSHAW CHEMICAL CO.

Manufacturers, Importers, Merchants
Offices and Laboratories: Cleveland, Ohio
Quality Products Since 1892
New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco
Works at Cleveland and Elyria, Ohio and Philadelphia, Pa

Made to Fit—



Metallic Soaps for Your Specific VARNISH REQUIREMENTS

● Get the best varnish flatting qualities by using Metasap Metallic Soaps especially developed to meet your *specific* varnish requirements. Our laboratories are prepared to offer you authoritative information to eliminate any possibility of guess work in the selection of metallic soap formulæ.

This information is available without cost or obligation. Write today for details.

METASAP CHEMICAL COMPANY

PALMITATES
STEARATES
of ALUMINUM, CALCIUM, LEAD, ZINC

HARRISON, N. J. BOSTON SAN FRANCISCO CHICAGO CEDARTOWN, GA.

METHANOL (all grades) METHYL ACETONE

CHEMICAL SOLVENTS

Incorporated

11 Park Place Telephone BArclay 7-8615-6-7 New York

WHITE OIL and PETROLATUM

FOR ALL PHARMACEUTICAL, COSMETIC and INDUSTRIAL PURPOSES

L. SONNEBORN SONS, INC.

Refiners of White Oil and Petrolatum · Refineries: Petrolia and Franklin, Pa.

New York 88 Lexington Avenue · Los Angeles 215 West 5th Street · Chicago 400 West Madison Street

No. 8 Can Filler

Fills liquids or semi-Fluids into Tubes, Cans or Jars at the rate of thirty containers per minute.

Used in leading plants for filling Varnish and Enamels.

We make Filling Machines for every purpose

ARTHUR COLTON CO.

2624 East Jefferson Ave., Detroit, Michigan

ISCO CHEMICALS means— RELIABLE INDUSTRIAL CHEMICALS

CARBONATE OF POTASH
from American Raw Materials.
Hydrated - Calcined - Liquid

CAUSTIC POTASH
From all-American raw materials.
All forms and packages.
Flake - Solid - Granular
Walnut - Broken . Liquid

CAUSTIC SODA
Various size packages.
Flake - Crystals . Solid
Liquid—Any strength solution

IRON CHLORIDE
Lumps and Crystals

ZINC OXIDE U. S. P.
Vieille Montagne
Gold, White, Green and Red Seals

RED OIL and PALE OLEINE
In non-returnable drums. Correct quality at right prices.

LANOLIN • GUMS • WAXES • AQUAPHIL

Quotations gladly furnished for delivery in containers of various sizes. Put your Industrial Chemical problems up to us.

INNIS, SPEIDEN & Co.

Manufacturers and Importers

117 Liberty Street New York

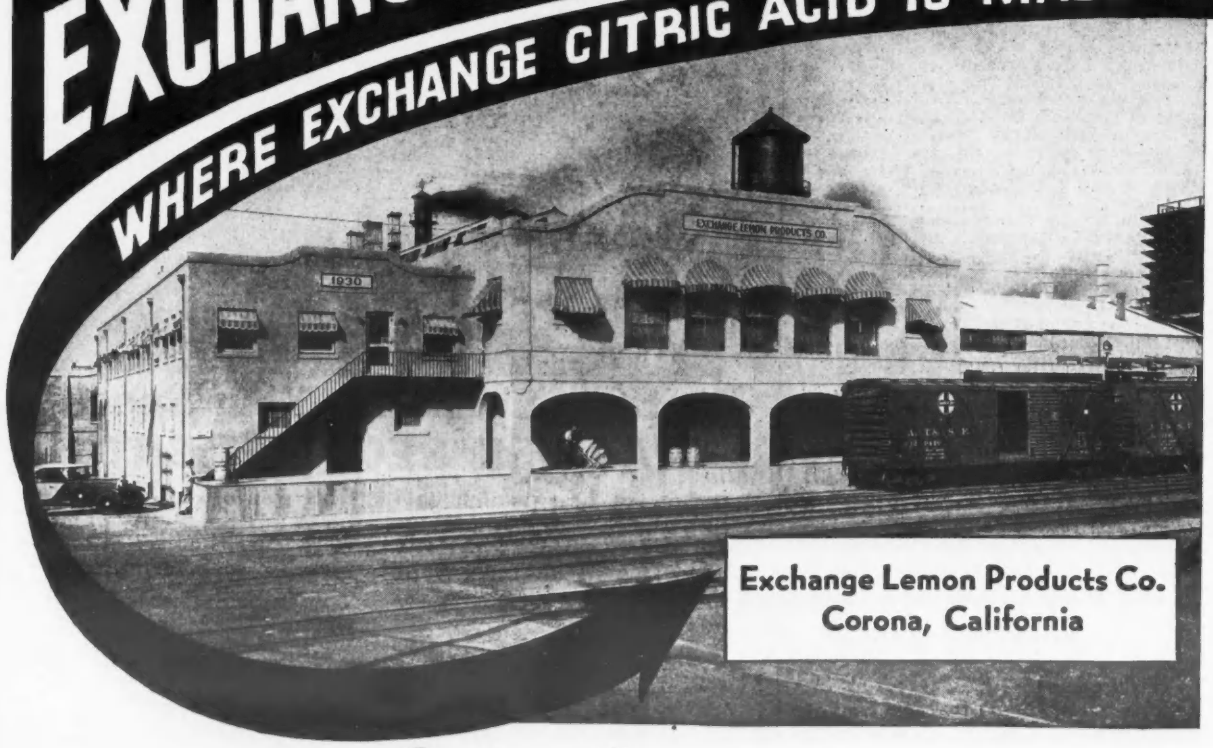
BOSTON · PHILADELPHIA · CLEVELAND · CHICAGO

GLOVERSVILLE, N. Y.

FACTORIES: JERSEY CITY, N. J. NIAGARA FALLS, N. Y.

EXCHANGE CITRIC ACID U.S.P.

WHERE EXCHANGE CITRIC ACID IS MADE



Exchange Lemon Products Co.
Corona, California

EXCHANGE Citric Acid U.S.P. is made by the Exchange Lemon Products Company of Corona, Calif. Backed by the Sunkist group of 13,500 citrus growers —largest in the world. Immediate shipments from warehouse stocks in New York, Chicago and Philadelphia. For prices on kegs, barrels or carloads, write nearest office.

Products Department

CALIFORNIA FRUIT GROWERS EXCHANGE

ONTARIO, CALIFORNIA

189 W. Madison Street, Chicago, Illinois 99 Hudson Street, New York, N.Y.

Exchange

CITRIC ACID U. S. P.

ER